

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Matthew Training Center  
Pierre, South Dakota  
September 11, 2003**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD) to approve the minutes of the March 11, 2003, meeting. Seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**319 FFY2003/2004 GRANT OVERVIEW AND STATUS:** Jim Feeney, SD Dept. of Environment and Natural Resources (DENR), reports South Dakota anticipates an allocation of \$3,128,700 for the FFY 2004 319 grant and \$767,250 remains from FFY 2003 funding. A total of \$3.9 million is available for awarding to nonpoint source activities.

**SEPTEMBER 2003 FUNDING APPLICATIONS**

The project sponsors presented an overview of their projects and 319 grant requests.

**TMDL ASSESSMENT PROJECTS**

**Amsden Dam Watershed Assessment Project**

Total Cost: \$103,000                      319 Request: \$62,000 Grant

Project Description: The Day County Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the watershed. This project will produce TMDL targets and goals for Amsden Dam and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Okobojo Creek Watershed Assessment Project**

Total Cost: \$66,000                      319 Request: \$39,000 Grant

Project Description: The Sully County Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the Okobojo Creek Watershed. This project will produce TMDL targets and goals for two listed lakes and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Vermillion River Basin Watershed Assessment Project**

Total Cost: \$540,000                      319 Request: \$324,000 Grant

Project Description: The Vermillion River Water Development District proposes to locate and document sources of nonpoint source pollution for the Vermillion River Watershed. The project will provide information to develop a watershed implementation work plan with the objective of decreasing erosion, sedimentation, and fecal coliform loadings in the river/stream miles and nutrients in the lakes in the project area. This project will result in a TMDL report for the 303(d) listed stream segments and lakes of the Vermillion River downstream of Lake Thompson. The parameters of concern in these segments include suspended solids, fecal coliform and nutrients. This project will produce TMDL targets and goals for the listed lakes and document feasible restoration recommendations that may lead to a watershed implementation project.

**White River Watershed Assessment Project**

Total Cost: \$80,000                      319 Request: \$48,000 Grant

Project Description: The goal of the White River Assessment Project is to locate and document sources of nonpoint source pollution (primarily excess sediment loading) in the watershed. This project will produce Total Maximum Daily Load (TMDL) reports for the listed segments of the waterbody and feasible restoration recommendations that may lead to a watershed implementation project.

## **IMPLEMENTATION/DEMONSTRATION PROJECTS**

### **Demonstration and Evaluation of Deep Placement of Manure as a P Management BMP Project**

Total Cost: \$461,216

319 Request: \$254,898 Grant

Project Description: South Dakota State University proposes to demonstrate and evaluate the effectiveness of deep placement of manure as a BMP for reducing phosphorus loads originating from highly eroded glacial till soils. Preliminary research has shown that off-site transport of P can be reduced by 50% or more using the BMP.

### **Lake Pelican Water Project District Watershed Project**

Total Cost: \$2,863,700

319 Request: \$1,704,250 Grant

Project Description: The Lake Pelican Water Project District proposes to improve water quality in the Big Sioux River and Lake Pelican through the implementation of watershed and in-lake practices. The proposed project is composed of three objectives:

- 1) Design, permit, construct, and establish operation and maintenance agreements for 21 flow restriction/sediment traps in the Mahoney Creek and Soo Creek basins of the watershed.
- 2) Improve wetlands adjacent to Lake Pelican to enhance water quality and wildlife habitat through storm water runoff treatment and restoration of wetland functions.
- 3) Improve water quality in Lake Pelican through the removal of 190,000 cubic yards of sediment.

The Lake Pelican Water Project District also proposes to fund a technical staff person to complete monitoring for construction of practices, wetland modifications, and dredge monitoring and sampling.

### **Terry Redlin Freshwater Institute Wetland Education Project**

Total Cost: \$189,366

319 Request: \$142,024 Grant

Project Description: Working through the Terry Redlin Freshwater Institute, the City of Watertown proposes to develop an interactive wetlands education program on the institute's property located at Lake Kampeska. The partnership will also develop wetlands education packets for use by schools and seminars for adult groups.

### **Wetlands Education Pilot Project**

Total Cost: \$100,000

319 Request: \$60,000 Grant

Project Description: The South Dakota Resources Coalition proposes to develop, implement and evaluate a wetland education program. Program segments planned include an educational module for students, power point presentation for use with adult audiences and a display and information packets for use at farm shows.

## **IMPLEMENTATION AMENDMENT REQUESTS**

### **Animal Nutrient Management Technical Assistance Team**

Total Cost: \$5,319,300

319 Request: \$596,632 Grant

Project Description: The South Dakota Association of Conservation Districts has been the sponsor of the "ag waste team" since it began in 1990. The amendment request provides for a two year extension of this project through July 31, 2006. Additionally, the request provides for the

addition of an agronomist to the team and for the purchase of GPS total station surveying equipment.

The team provides priority design assistance to small producers on a voluntary basis in all of the conservation districts in eastern South Dakota. First priority goes to 319 funded TMDL implementation projects. Animal waste utilization plans are also developed for each animal waste system constructed with follow-up on existing systems to ensure waste is being used in an effective and efficient manner. Providing this assistance is critical to keep moving ahead with design and construction of manure handling systems for small producers in watersheds where TMDLs are being implemented.

**Lake Herman/Lake Madison/Brant Lake Watershed Project (Amendment)**

Total Current Cost: \$1,629,896 Current 319: \$660,245 Grant

Total Proposed Cost: \$2,221,896 319 Request: \$444,000 Grant Increase

Project Description: The overall goal of the project is to decrease the phosphorus loading of Lake Herman/Lake Madison/Brant Lake by 50 percent in compliance with the approved Total Maximum Daily Load. One of the major objectives included in the Project Implementation Plan (PIP) is the completion of ten Animal Nutrient Management Systems (ANMSs). The original estimate in the PIP was \$50,000 each for the ANMSs. The average cost to date for completed and designed ANMSs is \$167,315. The Lake County Conservation District (local project sponsor) is requesting an additional \$300,000 of 319 funds to complete eight ANMSs. The Lake County Conservation District is requesting an additional \$144,000 of 319 funds for the restoration of a berm on Bourne Slough which was damaged by flooding in 1993. The berm restoration project will increase the hydraulic residence time in the slough which will in turn reduce sediment and phosphorus transportation into Lake Madison. The total amendment request is for an additional \$444,000 of EPA 319 funds.

**RECOMMENDATIONS FOR FUNDING:**

**TMDL Assessment Projects Recommendations** - DENR recommends funding all **TMDL Assessment Project** applications at the requested levels for a total of \$473,000. State Water and Environment Fund dollars are available for cost sharing.

**Implementation Projects Recommendations - Demonstration and Evaluation of Deep Placement of Manure as a P Management BMP Project** - DENR recommendation is to support funding as requested for \$254,898.

**Lake Pelican Water Project District Watershed Project** – The department recommended no funding. The overriding reason for the recommendation is that more than \$1.9 million of § 319 funding has already been awarded for water quality activities in the Upper Big Sioux River watershed. Of that amount, \$1.25 million has been expended. The District's application ignored the efforts made in the watershed to date and indicated no willingness to coordinate with the existing project. Grant funding is limited, and the funding of separate \$1.9 million and \$1.7 million projects to work in the same watershed can not be supported.

The following additional concerns with District's proposal were noted:

⌘ The District has promoted this project as flood control rather than a water quality project and flood control is not an eligible § 319 activity;

⌘ The high values placed on the in-kind or soft match contributions related to the dredge disposal site, donations of easements, and the Stromseth wetland appear questionable and may indicate a lack of local cash to support this project;

⌘ The expectation that other local entities will provide for the operation and maintenance of the facilities is unrealistic; and

⌚ The \$780,500 dredging component has limited water quality benefits based on the very low percentage of sediment to be removed.

The District has previously submitted § 319 and state Consolidated grant requests for these activities. The department has consistently stated it will not support funding a duplicative effort in the watershed. We have recommended that the District work through the existing Upper Big Sioux River restoration project and have offered to assist in the coordination.

**Terry Redlin Freshwater Institute Wetland Education Project and Wetlands Education Pilot Project** – The Department recommends no funding. Neither application provides a comprehensive effort that addresses needs for the whole state of South Dakota. The Department recommends that the applicants and all other interested parties work together to develop a comprehensive statewide approach for wetlands education.

**Animal Nutrient Management Technical Assistance Team (Amendment)** – The Department recommends funding in the amount of \$596,632 as requested.

**Lake Herman/Lake Madison/Brant Lake Watershed Project (Amendment)** – The Department recommends funding in the amount of \$444,000 as requested. It maybe reduced based on the 60/40 cost sharing requirement when the Project Implementation Plan (PIP) is revised.

The total for all recommendations is \$1,768,530, leaving a balance of approximately \$2,125,000 for future funding rounds.

Roberta Rasmussen, SD Pork Producers, made a motion to remove the Lake Pelican request for 319 funding from consideration. It didn't fit the 319 criteria for funding and failure to recognize work already done and no cooperation with existing implementation project. Jay Gilbertson, second. Motion carried.

Angela Ehlers, SD Association of Conservation Districts, made a motion to recommend funding as requested for the four assessment projects. Mike Williams, second. Motion carried.

Angela Ehlers made a motion to recommend \$255,000 for the Deep Manure Project. Motion carried.

Jay Gilbertson, East Dakota Water Development District (EDWDD), made a motion to recommend \$150,000 of the available 2003 money for the wetlands education projects. Dave Clay, SDSU, second. Motion carried.

Roberta Rasmussen, SD Pork Producers, made a substitute motion that the wetland projects to be deleted from the implementation projects (no funding recommendation for both wetlands projects but work on a coordinating plan). Bob Gab, SD Conservation Commission, second. Motion carried.

Bob Gab made a motion to recommend funding as requested for both amendments. Roberta Rasmussen, second.

Angela Ehlers made a motion to amend the Animal Nutrient Management funding level to \$596,000 from \$596,632. Jim Feeney, DENR, second. Motion carried.

Chairman Vallery asked for a vote to recommend funding for both amendments. Motion carried.

Jay Gilbertson and Angela Ehlers will present the 319 applications to the September 25 Board of Water and Natural Resources meeting.

**BELLE FOURCHE ASSESSMENT:** Dr. Dan Hoyer, RESPEC, gave a PowerPoint presentation on the assessment of impaired waters within the Belle Fourche River Watershed.

**CAFO PERMITTING UPDATE:** Jeanne Goodman, DENR, presented map handouts of DENR approved CAFO plans and specifications and CAFO notice of intent status for existing operations. The draft general permit was sent out to over a 1,000 interested parties on August 1, 2003.

**2004 303(d) LISTING PROCESS:** Gene Stueven, DENR, reported that a letter to interested parties had been sent out with a September 30, 2003, deadline to report back any available water quality data. The 305(b) and 303(d) reports will be combined together in one document.

**NRCS – EQIP UPDATE:** Cindy Steele, NRCS, presented a handout on EQIP applications received and funded.

**SET NEXT MEETING DATE:** March 11, 2004, 10 AM at the Matthew Training Center, Pierre, SD. This is a funding round and applications for 319 funds applications are due to DENR-Water Resources Assistance Program by February 1, 2004.

**ADJOURN:** Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
March 6, 2003**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA:** Duane Murphey, Department of Environment and Natural Resources (DENR), asked that the Department of Transportation be added the agenda.

**APPROVAL OF MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD). Seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**319 FFY2002/2003 GRANT OVERVIEW AND STATUS:** Duane Murphey, DENR, reported \$1,168,194 is left from FFY2002 funds and \$3.8 million was allocated to South Dakota for 319 FFY2003 funds. After this funding round, \$625,394 will be available for future funding rounds.

**MARCH 2003 319 APPLICATIONS:**

**SUMMARY OF 319 APPLICATIONS**

**TMDL ASSESSMENT PROJECTS**

**Twin Lakes/Wilmarth Lake Watershed Assessment Project**

Total Cost: \$106,300 319

Request: \$64,000 Grant

Project Description: The Aurora Conservation District proposes to locate and document sources of nonpoint source pollution (primarily excess nutrient loading) in the watersheds. This project will produce TMDL targets and goals for the listed lakes and also document feasible restoration recommendations that may lead to a watershed implementation project.

**Lake Traverse Watershed Assessment Project**

Total Cost: \$95,800 319

Request: \$57,500 Grant

Project Description: The Roberts Conservation District proposes to study Lake Traverse and its watershed in order to prepare a TMDL for the lake and its tributaries. The lake is impaired by algae and excessive nutrients, and the TMDL will establish acceptable nutrient loadings to the lake.

## **TMDL IMPLEMENTATION/WATERSHED PROJECTS**

### **Lake Hanson Watershed Implementation**

Total Cost: \$1,130,000 319

Request: \$600,000 Grant

Project Description: The Hanson Conservation District proposes to restore the beneficial uses of Lake Hanson by reducing fecal contamination and sedimentation through the installation of planned grazing systems and animal waste management systems in the Pierre Creek watershed. Additional restoration efforts at the lake will include shoreline stabilization and development of a mitigation strategy for the septic systems located along the shoreline of the lake. The final phase of the restoration effort will be to remove 175,000 cubic yards of sediment from the lake.

### **Watershed Planning and Assistance Project**

Total Cost: \$28,417,150 319

Request: \$2,950,000 Grant

Project Description: The South Dakota Association of Conservation Districts will employ nine resource management specialists to provide technical assistance to landowners in twenty-five 303(d) listed impaired water bodies across the state to reduce pollutant loadings. They will be trained and certified by DENR and the Natural Resources Conservation Service and will provide on-farm plans and assistance in applying for Farm Bill funding to install the planned practices. Two of the specialists will be assigned to work specifically with owners of animal feeding operations near the Big Sioux River. Without this assistance, some of these owners may be at risk of future regulatory actions. Engineering design for animal waste management systems will be contracted through private engineering consultants.

**RECOMMENDATIONS FOR FUNDING:** Duane Murphey, DENR, recommended funding as requested for all projects. Mike Kuck, Natural Resource Conservation Service (NRCS), made a motion to approve funding for projects as DENR recommended. Seconded by Jay Gilbertson EDWDD. Motion carried.

Bob Gab, SDACD, made a motion Angela Ehlers and Jay Gilbertson present the 319 proposals to the Board of Water and Natural Resources on March 28, 2003. Everyone was in agreement.

**FARM BILL UPDATE:** Mike Kuck, NRCS, gave an overhead presentation on the Farm Bill programs.

**303(d) LIST UPDATE:** Duane Murphey, DENR, presented a handout of the 2002 303(d) list of impaired waterbodies in South Dakota. The list can also be found at the DENR website, [www.state.sd.us/denr](http://www.state.sd.us/denr).

**I&E STEERING COMMITTEE TASK:** Dennis Clarke, DENR, reported the Forestry BMP manual is being revised. The "Using Manure Analysis Results" brochure will be published soon. A storm water workshop will be held April 7th and 8th in Rapid City and 10th and 11th in Sioux Falls. Pre-registration is online on the Associated General Contractors website at [www.sdagc.org](http://www.sdagc.org). Interested persons can also register by calling 1-800-242-6373. There is a conference charge. Also, a Grazing Workshop will be sponsored this summer by the Grassland Coalition. A watershed project web site is being setup with links to other sites.

Chairman Vallery appointed a new I&E Steering Committee: SD Lakes & Streams – Don Marquardt; SD Cattlemen's Association – Scott Jones; East Dakota Water Development District – Jay Gilbertson; Black Hills RC & D – Aaron Everett; Natural Resources Conservation Services –

Mike Kuck; Dept of Environment & Natural Resources – Dennis Clarke; and SD Izaak Walton League Association – Mike Williams. They will draft a new I&E workplan and grant proposal.

**LEWIS AND CLARK STUDY:** Les Labahn, Randall Resource Conservation and Development District, gave an informational report on the proposed Lewis and Clark Lake watershed assessment project. The local sponsor is coordinating the assessment project with DENR and Nebraska agencies. EPA Section 106 funds are being used for assessment work in South Dakota.

**CAFO SCHEDULE:** Jeanne Goodman, DENR, updated the Task Force on the new Federal rules for Concentrated Animal Feeding Operations (CAFO) that will become effective April 14, 2003. South Dakota's Water Management Board will conduct a public hearing on May 7, 2003, to consider incorporating the federal rules by reference into Administrative Rules of SD.

**SOIL PHOSPHOROUS STUDY UPDATE:** Dave German and Frank Schindler, SDSU Water Research Institute, gave a PowerPoint presentation about soil phosphorous management research.

**OTHER ITEMS:** Duane Murphey presented the Non Point Source Annual Report to the Task Force.

Chairman Vallery has received a written request from Department of Transportation to be a voting member of the Task Force. Angela Ehlers moved that Department of Transportation be added as a core voting member to the Nonpoint Task Force. Jay Gilbertson seconded. Motion carried.

**SET NEXT MEETING DATE/ROUND II APPLICATION DATE:** The next scheduled meeting will be September 11, 2003, 10 AM at the Pierre Elks Lodge, Pierre, SD. This is a funding round and applications for 319 funds are due to DENR-Water Resources Assistance Program by August 1, 2003. The Task Force is planning a tour after the 4th of July; information will be mailed out when plans are finalized.

**ADJOURN:** Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 19, 2002**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance. The Chairman asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF AGENDA:** Duane Murphey, Department of Environment and Natural Resources (DENR), asked that Fecal Coliform Source Identification Study be moved up on the agenda after the 319 applications.

**APPROVAL OF MINUTES:** Motion by Roberta Rasmussen, SD Pork Producers Seconded by Robert Gab, SD Conservation Commission. Motion carried.

**319 FY2002/2003 GRANT OVERVIEW AND RECOMMENDATIONS:** Duane Murphey and Jim Feeney, SD Dept. of Environment & Natural Resources (DENR), presented the following information.

**ROUND III APPLICATIONS:**

FEDERAL FISCAL YEAR 2002  
SECTION 319 EPA GRANT

A federal fiscal year 2002 appropriation of \$3,142,900 was allocated to South Dakota for award to new nonpoint source activities. In September 2001, the department's recommendation to award \$658,500 of FFY 2002 319 funding to four projects was approved. In March 2002, the department's recommendation to award \$659,000 of 319 funding to four projects was approved. A balance of \$1,674,200 of 2002 funds is available for award.

The department received three applications by the August 1<sup>st</sup> deadline for Round III funding consideration. The department recommends funding all three of these Total Maximum Daily Load (TMDL) projects. The projects include two TMDL assessment projects to develop TMDLs for the Keya Paha River, Rahn Lake, and the Little White River. All of these are on the 1998 303(d) South Dakota TMDL list of impaired waterbodies.

The department recommends funding one TMDL implementation project at Lake Mitchell. The proposed project would provide for the surface application of alum on Lake Mitchell to remove phosphorus from the water column. The alum treatment will complement the ongoing activities of the long-term Firesteel Watershed Restoration project in meeting the TMDL goal for Lake Mitchell.

If these funding recommendations are approved, there will be approximately \$1,200,000 of federal 319 funds available for future 319 funding rounds. Staff will continue to work with potential project sponsors to develop viable applications for TMDL assessment and implementation efforts.

TMDL ASSESSMENT PROJECTS

**Keya Paha River – Rahn Lake Watershed Assessment Project**

Total Cost: \$136,520                      319 Request: \$82,000 Grant

**Department Recommendation: \$82,000 319** - Recommended funding will allow preparation of required TMDLs for the Keya Paha River in Tripp county and Rahn Lake which are on the 1998 303(d) list. This level fully funds the 319 portion of the TMDL assessment effort. The Clearfield-Keya Paha Conservation District will sponsor the project and secure the balance of the nonfederal cost share.

Project Description: The Clearfield-Keya Paha Conservation District proposes to prepare a TMDL for Rahn Lake and the Keya Paha River in Tripp County as required by the 1998 303(d) state TMDL list.

**Little White River Watershed Assessment Project**

Total Cost: \$84,160                      319 Request: \$50,500 Grant

**Department Recommendation: \$50,500 319 Grant**- Recommended funding will allow preparation of required TMDL for the portion of the Little White River in Mellette County which is on the 1998 303(d) list. This level fully funds the 319 portion of the TMDL assessment effort. The Mellette Conservation District will sponsor the project and secure the balance of the nonfederal cost share.

Project Description: The Mellette Conservation District proposes to prepare a TMDL for Little White River as required by the 1998 303(d) state TMDL list.

TMDL IMPLEMENTATION/WATERSHED PROJECT

**Firesteel Creek/Lake Mitchell Water Quality Improvement Project**

Total Cost: \$799,045                      319 Request: \$475,965 Grant



**Department Recommendation: \$340,500 EPA 319 Grant** – Recommended funding would implement the TMDL for Lake Mitchell and reduce phosphorus concentrations in the lake. This level fully funds three years of alum treatment and five years of water quality monitoring. The requested amount would fund five years of alum treatments. Matching funds will come from the city of Mitchell.

Project description: The Davison Conservation District proposes to supplement the existing 319 project that focuses on long-term watershed improvements such as manure management systems at existing confined animal feeding operations. While the watershed improvement project is a long-term solution, the alum treatment recommended above will produce more immediate results. Alum applied to the surface of the lake will bind with phosphorus in the water and settle to the bottom, thus making the phosphorus unavailable to algae for growth. Less phosphorus should result in less algae and improved taste and odor in the drinking water supply.

**Recommendations for funding:**

Roberta Rasmussen, SD Pork Producers, made a motion to give full funding to the Keya Paha project. Mike Kuck, NRCS, seconded. Motion carried.

Pat Cerny, South Central Water Development District (SDWDD), made a motion to give full funding to the Little White River project. Angela Ehlers, SDACD, seconded. Motion carried.

Pat Cerny, SDWDD, made a motion to accept DENR's recommendation of \$340,500 for funding of the Firesteel Creek Project. Roberta Rasmussen, SD Pork Producers, seconded. Motion carried.

**FECAL COLIFORM SOURCE IDENTIFICATION STUDY:** Prof. Nels Troelstrup and Erick Jorgenson, SD State University (SDSU), gave a PowerPoint presentation on bacterial source tracking methodology for fecal coliform.

**303(d) WATERSHED PLANNING AND ASSISTANCE PROJECT:** Angela Ehlers, SDACD, presented a draft proposal for the next 319 funding round which will entail additional technical assistance for 303(d) watershed planning in most counties across South Dakota. South Dakota Association of Conservation Districts would employ the personnel while Natural Resources Conservation Services would train them.

**303(d) LIST UPDATE:** Duane Murphey, DENR, reported the 303(d) comment period has closed and a list is being prepared for the U S Environmental Protection Agency. The list can be found at the DENR website, [www.state.sd.us/denr](http://www.state.sd.us/denr).

**FARM BILL UPDATE:** Mike Kuck, NRCS, reported the new Farm Bill has given EQIP more funding and 257 EQIP contracts to date have been funded in South Dakota. The WHIP program was given \$370,000 and to date 51 applications have been funded. NRCS is working with Game Fish & Parks Department and Pheasants Forever in hiring six planners across the state using EQIP and WRP, which has received \$2.5 million. He handed out a brochure for the Conservation Security Program (CSP). Other programs coming out in 2003 are Grazing Reserve Program (GRP) and Technical Services Program (TSP).

**INFORMATION/EDUCATION PROGRAM UPDATE:** Dennis Clarke, DENR, passed out flyers for Year of Clean Water Day, October 18, 2002. He stated the 96 I&E grant final report, Using Water Wisely in the Home, and Straight Talk on Manure Spreaders are available. Other rural development and household pamphlets will be published later. Angela Ehlers reported on the new conservation website, [www.sdconservation.org](http://www.sdconservation.org). It will be a general conservation site with the information split into the different "resources" we have in the state (water quality, cropland, grassland, urban, etc). Plans are to have the site finished by December 1.

**SET NEXT MEETING DATE:** The next scheduled meeting will be March 6, 2003, 10 AM at the Pierre Elks Lodge, Pierre, SD. This is a funding round and applications for 319 funds are due to DENR-Water Resources Assistance Program by February 1, 2003.

**OTHER ITEMS:** Chairman Vallery reported on the grassland tour held in July.

**ADJOURN:** Roberta Rasmussen made a motion to adjourn. Angela Ehlers seconded. Motion carried.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
March 21, 2002**

**OPENING AND INTRODUCTIONS:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance. The Chairman asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF AGENDA:** Chairman Vallery stated an executive decision was made to have a working lunch. Duane Murphey, Department of Environment and Natural Resources (DENR), asked that a report on Cochrane/Oliver be given after the Marshall County lakes assessment.

**APPROVAL OF NOVEMBER 29, 2001 MINUTES:** Motion by Jay Gilbertson, East Dakota Water Development District (EDWDD). Seconded by Angela Ehlers, SD Association of Conservation Districts (SDACD).

**MARSHALL COUNTY LAKES ASSESSMENT:** Rich Hanson, DENR, gave a report on the upcoming assessment on four lakes; 9-Mile, South Red Iron, and North and South Buffalo, in Marshall County. The total cost is \$155,000 using other federal funding sources. DENR will monitor the inflows into the lakes and water quality and will run an AGNP model to see which best management practices will be implemented.

**COCHRANE/OLIVER PROJECT:** Gene Stueven, DENR, reported implementation practices in the Lake Cochrane watershed included repairing the sediment basins, reducing animal waste entering the lake through buffers, and livestock exclusion. The local sponsor will work with local owners to encourage best management practices on tilled ground. Lake Oliver is in no real need for watershed work, however the lake will receive an alum treatment to reduce inputs of phosphorus.

**319 FY2002 GRANT OVERVIEW & STATUS:** Duane Murphey, DENR, reported the FY2002 319 funding was \$3.2 million of which we have \$2,549,194 left for this second funding round. For this funding round, the Task Force will not rank the projects, but decide which projects to fund.

**ROUND II APPLICATIONS:**

**Richmond Lake Watershed Assessment Project**

**Total Cost: \$92,050**

**319 Request: \$55,000 Grant**

Project Description: Sponsored by the McPherson County Conservation District, this project will prepare a TMDL for Richmond Lake as required by the 1998 303(d) state TMDL list.

**Burke Lake Watershed Assessment Project**

**Total Cost: \$75,000**

**319 Request: \$45,000 Grant**

Project Description: Sponsored by the Charles Mix Conservation District, this project will prepare a TMDL for Burke Lake as required by the 1998 303(d) state TMDL list.

**Elm Lake Watershed Restoration Project**

**Total Cost: \$1,627,572**

**319 Request: \$387,000 Grant**

Project description: Sponsored by the McPherson Conservation District in conjunction with the Brown-Marshall and Dickey (ND) conservation districts, this project will reduce phosphorous loadings to Elm Lake by 60% to meet the TMDL target. Since the watershed lies in both North and South Dakota, both states are working with McPherson Conservation District to coordinate the project activities. Best Management Practices implemented will include animal waste management facilities, nutrient management plans, grazing management systems, cropland residue management, and grassed waterways.

**Jones Lake/Rose Hill Lake Watershed Improvement Project**

**Total Cost: \$498,070**

**319 Request: \$272,000 Grant**

Project description: Sponsored by the Hand Conservation District this project will reduce phosphorous loading to Rose Hill Lake by 20% to meet its TMDL target. Phosphorous reductions and lake shore restoration efforts will improve water quality in Jones Lake as an initial step to reach its TMDL target. Best Management Practices implemented will include animal waste management facilities, nutrient management plans, grazing management systems, and the establishment of riparian and buffer zones.

**Recommendations for funding:** DENR staff recommended funding all of the requests at the requested level. Mike Kuck, Natural Resources Conservation Services (NRCS), made a motion to approve the amounts identified on the FFY 2002 projects' list. Jay Gilbertson seconded. Nonpoint Source Task Force concurred. Jay Gilbertson and Angela Ehlers will present the projects to the Board of Water and Natural Resources (BWNR) April 11 and 12, 2002 meeting. The projects that are approved by BWNR will go on to Environmental Protection Agency (EPA) for final approval.

**CENTRAL BIG SIOUX ANIMAL WASTE PROPOSAL:** Jay Gilbertson, EDWDD, presented a draft proposal to the Task Force to use money left over from the FFY 2002 319 funds (\$1.7 million) to start implementation projects on the Central Big Sioux before assessment is concluded. Funds would be used for animal waste facilities. Communities along the river and other organizations have agreed to contribute to this proposal.

Angela Ehlers, SDACD, made a motion to reserve the balance of FFY 2002 319 funds (approximately \$1.7 million) for Central Big Sioux and Cochrane/Oliver proposed projects. Bob Gab seconded. Motion carried.

**INFORMATION/EDUCATION PROGRAM REVIEW:** Dennis Clarke, DENR, presented books purchased through SD Coop Extension for protecting groundwater and surface water, a septic system video, and a handout listing I&E funded projects. A Stormwater Workshop will be held April 9 and 10 in Spearfish, SD. In development are a manure management practices booklet, nutrient management booklet, videos and several workshops. Anne Lewis, SD Lakes & Streams Association gave a talk on Volunteer Monitoring by South Dakota citizens. The Task Force decided the I&E Steering Committee needs to meet and come back with plans for the future. Joyce Williamson, USGS, suggested an I&E Web site.

**SHORELINE STABILIZATION GUIDANCE:** Mike Williams, Upper Big Sioux River Watershed, and Rick Smith, Lake Poinsett, gave a PowerPoint presentation for Shoreline Stabilization Guidelines. These guidelines will be used by DENR on their Web site.

**NRCS TRAINING MODULES:** Mike Kuck, NRCS, presented training modules from National Employee Development Center. They provide assistance in all phases of the design process. The modules/courses can be found at [www.nedc.nrcs.usda.gov](http://www.nedc.nrcs.usda.gov) or call the state NRCS office in Huron, SD.

**OTHER ITEMS:** The Task Force is planning a grassland tour in July.

A reminder that applications for 319 funding are due to DENR-Water Resources Assistance Program by August 1, 2002. The applications will be discussed and ranked at the September 2002 Task Force meeting.

**SET NEXT MEETING DATE:** The next scheduled meeting will be June 13, 2002, 1 PM to 4 PM, after the Conservation Commission meeting. The topic to be discussed will be on Animal Waste Systems. The meeting location will be announced later. **(Since postponed).**

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
November 29, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**AGENDA CHANGES:** Chairman Vallery stated that Duane Murphey, Department of Environment and Natural Resources (DENR), will give a report on the Bad River after approval of minutes. The Information and Education Program Report will be given at the next Task Force meeting. In its agenda place will be Schedule of Next Meeting.

**INTRODUCTION/REMARKS:** The Chairman asked those in attendance to introduce themselves and whom they represent. Carl Madsen, US Fish & Wildlife, suggested a working lunch. The group agreed.

**APPROVAL OF SEPTEMBER 20, 2001 MINUTES:** Motion by Robert Gab, SD Conservation Commission. Seconded by Angela Ehlers, SD Association of Conservation Districts (SDACD).

**BAD RIVER SEDIMENTATION:** Duane Murphey, DENR, presented the US Corps of Engineers Bad River report. The report stated sediment from the Bad River going into Lake Sharpe is now 1.95 million tons, a 40% reduction of sediment compared to 3.25 million tons before.

**BELLE FOURCHE RIVER ASSESSMENT:** Dan Hoyer and Dr. Scott Kenner, SD School of Mines, and Joyce Williamson, US Geological Survey, presented a PowerPoint report on the Belle Fourche River Assessment.

**KINGSBURY COUNTY LAKES ASSESSMENT:** Dr. Nels Troelstrup, SD State University, gave a PowerPoint presentation of the assessment of Lake Preston, Lake Thompson, and Whitewood Lake of Kingsbury County.

**CLEAR LAKE IMPLEMENTATION:** Elois Redlin, Deuel County Conservation District, reported on raising funds for the project. Leroy Stohrs, Deuel County Conservation District, presented slides on the different phases of the project.

**FIRESTEEL CREEK IMPLEMENTAION:** Dave Kringen, Firesteel Creek Coordinator, gave a PowerPoint presentation of the project.

**LAKE HENDRICKS IMPLEMENTATION:** Peg James, Assistant Conservation Manager, gave a report on Lake Hendricks project.

**LAKE POINSETT IMPLEMENTATION:** Rick Smith, Project Coordinator, presented slides of before and after of Lake Poinsett area. He also presented to the Task Force a contact list for project coordinators to implement a project. Duane Murphey, DENR, asked Rick and Mike Williams, SD Izaak Walton League, to bring back a lakeshore/bank restoration guidance to the next Task Force meeting.

**LOWER RAPID CREEK ASSESSMENT:** Dr. Scott Kenner, SD School of Mines, gave a PowerPoint presentation on the Lower Rapid Creek Assessment.

**STRATEGIC PLAN:** Angela Ehlers and Pete Jahraus, Dept. of Agriculture, presented the Strategic Plan written by the SD Conservation Districts and Conservation Commission. They asked the Task Force members to review and comment back to SDACD by December 7, 2001.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be March 21, 2002 at the Pierre Elks Lodge. The 319 funding applications and the I&E program report will be on the agenda. Applications for the 319 funds need to be received at DENR by February 1, 2002.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 20, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force Meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MARCH 22, 2001 MINUTES:** Motion by Roberta Rasmussen, SD Pork Producers Council (SDPPC), seconded by Brian Scott, SD Department of Agriculture (DOA). Motion carried.

**AGENDA ADDITION:** Chairman Vallery stated that Chuck Ullery, South Dakota State University Extension, will present a manure management video after No-Till Survey presentation.

**319 ROUND I GRANT APPLICATIONS:**

Chairman Vallery reviewed the format for 319-grant recommendation process before application presentations. The applicants each gave a presentation of their respective proposals.

**REPORTS:**

**NONPOINT SOURCE TASK FORCE TOUR OF PROJECTS:** The Task Force discussed the July tour of several 319 funded projects in eastern South Dakota arranged by Jay Gilbertson, East Dakota Water Development District.

**EPA TOUR:** Duane Murphey reported on a tour with Doug Lofstedt, SD EPA Region VIII Coordinator. The tour showed him the accomplishments 319 funds have provided.

**NO-TILL SURVEY:** Merideth Redlin, South Dakota State University, gave an overhead presentation on the No-Till Survey sent out statewide to farmers last spring. Discussion was held. Copies of the report can be found at the State Library, DENR's website, or contact Dennis Clarke (DENR).

INFORMATION AND EDUCATION: Dennis Clarke, DENR, reported the Septic System video will be shown January 2002 on Today's Ag. A Stormwater NPS Workshop will be held this winter. The Grazing project is up and running and a tour will be held later this fall. The touch-screen is now on a CD and ready for distribution to middle schools in October.

MANURE MANAGEMENT VIDEO: Chuck Ullery, SDSU Ext., showed the video "Livestock Manure Management" that was funded by 319 I&E funds.

### **319 ROUND I GRANT APPLICATIONS CONTINUED:**

After discussion of each of the proposals, the Task Force made the following motions:

Chuck Ullery, SD Ext. Coop, made a motion for Lake Norden/Lake Albert to be considered for funding and ranking. Second by Roberta Rasmussen, SDPPC. Motion carried.

Angela Ehlers, SDACD, made a motion to remove Jasper Fire Area from the consideration list. Second by Duane Murphey, DENR. Vallery, SD Wheat Inc., nay. Motion carried.

Angela Ehlers, SDACD, made a motion for Cottonwood Lake/Lake Louise to be considered for funding and ranking. Second by Chuck Ullery. Motion carried.

Angela Ehlers, SDACD, made a motion for Lake Cochrane/Lake Oliver to be considered for funding and ranking for \$475,000. Chuck Ullery nay. Second by Bob Gab, Conservation Commission. Motion carried.

Chuck Ullery, SD Ext. Coop, made a motion for Improvement of Manure Management based on Soil & Runoff Phosphorus Relationships for Soils in the Upper Big Sioux Watershed to be considered for funding and ranking for \$112,000. Second by Lowell Messman, SD Farm Bureau. Motion carried.

Pat Cerney, South Central Water Development District, made a motion for all four funding proposals that are under consideration be put forth without ranking to the BWNR. Second by Angela Ehlers. Motion carried.

The Task Force recommendations to the Board of Water and Natural Resources are as follows:

### **TMDL ASSESSMENT PROJECT**

Lake Norden/Lake Albert TMDL

Total Cost: \$100,000      319 Request \$60,000

**Task Force Recommendation: \$60,000 (319)** -- Recommended funding will allow preparation of required TMDLs for two lakes which are on the 1998 303(d) list. These levels fully fund the 319 portion of the TMDL assessment effort. The Hamlin County Conservation District will provide the balance of the nonfederal cost share.

Project Description: Sponsored by the Hamlin County Conservation District, this project will prepare TMDLs for Lake Norden and Lake Albert as required by the 1998 303(d) state TMDL list.

### **TMDL IMPLEMENTATION/WATERSHED PROJECTS**

Cottonwood Lake/Lake Louise Watershed Improvement Project

Total Cost: \$2,339,941

319 Request: \$475,000

**Task Force Recommendation: \$475,000** -- Recommended funding will implement the TMDLs for Cottonwood Lake and Lake Louise. This level fully funds the 319 portion of the five-year

implementation project. The implementation plan budget indicates that \$44,775 will be requested from the State Conservation Commission and \$150,000 will be requested from the State Consolidated Water Facilities Construction program at a later date.

**Project Description:** Sponsored by the Hand County Conservation District, this project will reduce phosphorus inputs into Cottonwood Lake and Lake Louise to meet the TMDLs. The watersheds are in Spink, Faulk, Hand, and Hyde counties. Watershed improvement practices to be cost shared will include planned grazing systems with water development, shoreline stabilization, conservation tillage, grass seeding, and construction of manure management systems for animal feeding operations.

#### Lake Cochrane/Lake Oliver Watershed Improvement Project

Total Cost: \$121,900  
75,000

319 Request: \$

**Task Force Recommendation:** \$75,000 – Recommended funding would implement the TMDL for Lake Oliver and protect Lake Cochrane's good water quality. This level fully funds the 319 portion of the three-year implementation project. The implementation plan budget indicates that \$7,225 will be requested from the State Conservation Commission and \$20,000 will be requested from the State Consolidated Water Facilities Construction program at a later date.

**Project Description:** Sponsored by the Deuel County Conservation District, this project will reduce in-lake phosphorus levels in Lake Oliver and reduce phosphorus loading to Lake Cochrane. The key implementation practice designed to meet the TMDL is alum treatment of Lake Oliver. Adding alum to Lake Oliver should coagulate phosphorus in the water column, and take the phosphorus to the lake bottom through settling. If the alum successfully ties this phosphorus up in the lake bottom so it will not be released again to the water column, the water quality of Lake Oliver will be improved. Additional watershed improvement practices to be cost-shared include rehabilitation of sediment retention ponds, planned grazing systems, conservation tillage, and construction of manure management systems for animal feeding operations.

### RESEARCH/DEMONSTRATION PROJECTS

#### BMP Evaluation for Protection of Water & Soil Resources/Jasper Fire Area

Total Cost: \$157,061  
86,122

319 Request: \$

**Task Force Recommendation:** No Funding – The project does not implement a TMDL and, therefore, is a low priority. In addition, the research addresses the impacts of catastrophic fire events rather than forestry practices that continually effect water and soil resources.

**Project Description:** The project sponsor is South Dakota School of Mines & Technology. The proposal is to study rehabilitation efforts in the Jasper Fire Area and effects upon water quality.

#### Improvement of Manure Management based on Soil & Runoff Phosphorus Relationships for Soils in the Upper Big Sioux Watershed

Total Cost: \$199,349  
\$112,000

319 Request:

**Task Force Recommendation: \$112,000** – EPA is proposing in its draft regulations for confined animal feeding operations to require all states to use a phosphorus based nutrient management plan. This can be a critical change, because phosphorus based manure application rates require about 3 to 5 times more land to apply the manure than the nitrogen based application rates in use now. Therefore, requiring phosphorus based manure application rates

could pose huge hurdles for both existing livestock producers and future expansion of the livestock industry. To begin preparing for phosphorus based nutrient management plans, we desperately need to collect data and increase our knowledge about phosphorus testing methods and the interactions between phosphorus and soils in South Dakota.

**Project Description:** This project is sponsored by South Dakota State University, with strong support from the South Dakota Cattlemen's Association, South Dakota Farm Bureau, the Upper Big Sioux River Watershed Project (see attached letters), the South Dakota Ag Alliance, and the South Dakota Pork Producers Council. The project has also been submitted to the U.S. Department of Agriculture for funding as well. The study will evaluate the correlation between phosphorus saturation of soils, results of soil test phosphorus, and levels of phosphorus in surface runoff from soils in the upper Big Sioux basin. The project has statewide significance because data collected will be compared to national phosphorus index data to help determine if interactions between phosphorus and South Dakota soils are different than those found in eastern and southern states, where most of the national data has been collected thus far. When compared to these other soils, it is very possible that South Dakota soils have the ability to hold more before phosphorus, but we have no data to prove it.

**DISCUSSION OF ROUND II 319 APPLICATIONS:** Duane Murphey, DENR, stated if the funding recommendations are approved, there will be money available for a subsequent 319 funding round. Staff is recommending round II applications be received by DENR - Water Resources Assistance Program by February 1, 2002. DENR will continue to work with potential project sponsors to develop viable applications for TMDL assessment and implementation efforts.

Jay Gilbertson and Angela Ehlers will take the recommendations to the Board of Water and Natural Resources (BWNR) at its October 11, 2001 meeting.

**OTHER BUSINESS:** A discussion was held on projects sending in outreach material to the Task Force. Duane Murphey will contact the project coordinators. Also, discussion was held that projects report back on a more frequent basis to the Task Force meetings.

#### **REPORTS CONTINUED:**

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Brian Scott, Dept. of Agriculture, reported that the division has been being reorganized into two divisions (Division of Wildland Fire Suppression and Division of Conservation and Forestry). The Wildland Fire Suppression Division has been moved to Rapid City.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be November 29, 2001 with location to be announced. March 21, 2002 will be the next funding round in Pierre, SD. Applications need to be sent in to DENR by February 1, 2002.

Chairman Vallery adjourned the meeting. Second by Roberta Rasmussen.

### **Minutes of the NONPOINT SOURCE TASK FORCE MEETING Elks Lodge Pierre, South Dakota March 22, 2001**

**CALL TO ORDER:** The Nonpoint Source Task Force Meeting was called to order by Chairman Rick Vallery, SD Wheat Inc. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/OPENING REMARKS:** Chairman Vallery announced the Nonpoint Source Control Program Annual Report are available at the meeting and on the Department of



Environment and Natural Resources (DENR) website. Last week, he met with Christine Todd Whitman, EPA director, in Washington, DC. She announced there would be an agricultural liaison on her staff and she will speed-up some processes.

**APPROVAL OF SEPTEMBER 21, 2000 MINUTES:** Motion by Angela Ehlers, SD Association of Conservation Districts (SDACD), seconded by Roberta Rasmussen, SD Pork Producers Council (SDPPC). Motion carried.

## **REPORTS:**

**MEETING WITH IOWA:** Bill Stewart, DENR, attended the Agriculture and the Environment Conference in Ames, Iowa on March 5-7. All state and federal Iowa natural resource agencies and farm production organizations attended the conference. Total Maximum Daily Loads (TMDLs) and nutrients were the main focus of the meetings. Discussions were held concerning proposed watershed assessment activities on the Big Sioux River from Sioux Falls to the mouth. Representatives from the Iowa DNR have expressed interest in a joint project to complete an assessment of this watershed and develop TMDLs on the lower Big Sioux River.

**ANIMAL NUTRIENT APPLICANT:** Pat Kuck, DENR, stated that when developing and implementing a nutrient management plan, operators do not know the amount of animal waste their spreading equipment will hold, the soil needs, what the waste has for nutrients, and how to apply it. The proposal does setup funding for five portable scales for \$9,500, people to work with producers, incentive payment available to ag waste systems built before 1998 and involved in 319 program. Discussion was held by Task Force but no action taken at this time.

## **319 GRANT APPLICATIONS:**

Chairman Vallery reviewed the format for 319-grant recommendation process before application presentations.

A petition to let US Fish and Wildlife Service become a core-voting member. Moved by Jay Gilbertson, EWDD, second by Angela Ehlers, SDACD. Motion carried.

Roberta Rasmussen, SDPPC, made a motion to accept the staff recommendation of \$200,000 for the Bachelor Creek Watershed Implementation and the added conditions. Second by Chuck Ullery, SD Ext. Coop. Motion carried.

Chuck Ullery made a motion to accept the staff recommendation of \$500,000 for the Grassland Management Planning and Assistance. Second by Mark Garber, SDCGA. Motion carried.

Chuck Ullery made a motion that the Lake Pelican Project not be considered for funding at this time. Second by Roberta Rasmussen. Motion carried.

Jay Gilbertson moved to accept the staff funding recommendation of \$1,000,000 for Upper Big Sioux project by DENR staff. Second by Darrell Raschke, JRWDD. Motion carried.

Mike Kuck, NRCS, moved to accept the staff funding recommendation of \$38,000 for Wall Lake project. Second by Angela Ehlers. Motion carried.

Jay Gilbertson and Angela Ehlers will take the recommendations to the Board of Water and Natural Resources (BWNR) April 11, 2001 meeting.

The Task Force priority ranking and recommendations to the Board of Water and Natural Resources are as follows:

## **Bachelor Creek Watershed Implementation - Moody Conservation District**

Total Cost **\$643,230** 319 Request: **\$244,600**

#### **Ranked 4 - NPS Task Force Recommends \$200,000**

**Project Description:** Sponsored by the Moody County Conservation District, this three-year project is designed to reduce nutrient, fecal coliform bacteria, and sediment loading to Bachelor Creek and the Big Sioux River. Reduction of these loads from the watershed would be accomplished through installation of agricultural best management practices and manure handling systems for livestock feeding operations, riparian area management, improved grazing management, and increased use of no till residue management on crop land.

#### **Grassland Management Planning and Assistance - Grassland Coalition**

Total Cost: **\$1,809,212** 319 Request: **\$504,145**

#### **Ranked 3 - NPS Task Force Recommends \$500,000\***

\*DENR supports putting \$150,000 of this amount under initial agreement

**Project Description:** Sponsored by the South Dakota Grassland Coalition, this five-year project is designed to improve range condition and water quality through better grazing management by increasing the availability of technical assistance to private landowners and through increased awareness and knowledge of improved grazing techniques.

#### **Wall Lake Watershed Post Assessment - Minnehaha Conservation District**

Total Cost: **\$61,787** 319 Request: **\$37,005**

#### **Ranked 1 - NPS Task Force Recommends \$38,000**

**Project Description:** Sponsored by the Minnehaha Conservation District, this three-year project is designed to determine the current water quality of Wall Lake and compare it to the condition of the lake prior to the watershed restoration and the dredging project implemented prior to 1995. Documentation will also be gathered to determine if watershed Best Management Practices funded during the watershed restoration project are still in place and being maintained by the landowners.

#### **Upper Big Sioux River Watershed Implementation - Continuation -**

##### **City of Watertown**

Total Cost: **\$1,788,601** 319 Request: **\$1,010,828**

#### **Ranked 2 - NPS Task Force Recommends \$1,000,000**

**Project Description:** Sponsored by the City of Watertown, this three-year project is designed to continue reducing nutrient and sediment loads entering Lake Kampeska and the Pelican Lake sub-basin and continue a pollution prevention program for the entire project area. Reduction of nutrient loads from the watershed would be accomplished through installation of agricultural best management practices and manure handling systems for livestock feeding operations. Sediment loads from the watershed would be reduced by riparian area repair, improved grazing management, and installation of grassed waterways and small dams.

#### **Lake Pelican Water Project District**

Total Cost: **\$1,939,360** 319 Request: **\$775,744**

#### **Removed from ranking - NPS Task Force Recommends No Funding**

**Project Description:** Sponsored by the Lake Pelican Water Project District, this three-year project is designed to continue reduction of nutrient and sediment loads entering Lake Pelican and expand a pollution prevention program for the entire Lake Pelican Water Project District area. Reduction of sediment and nutrient loads would be accomplished through construction of grass waterways, detention dams/basins, restoration of wetlands, stream bank stabilization, and manure handling systems for animal feeding operations. Water quality would be improved by the dredging and opening of selected spring sites on Lake Pelican.

#### **REPORTS CONTINUED:**

**ANNUAL STATES/EPA MEETING:** Duane Murphey reported states and EPA held discussions on the Management Plan, Grants Retrieval Tracking System (GRTS) and Endangered Species Act in Denver, CO.

**LEGISLATIVE UPDATE:** Angela Ehlers, ASDCD, reported the Omnibus Bill passed a set aside of \$300,000 for TMDL assessments. A bill to provide funding for the Hamill Dam failed and a conference is to be held on inundated lands in the Northeast part of the state.

**CORE 4:** Angela Ehlers handed out a draft brochure explaining the principles and practices of CORE 4 to integrate the environment and agricultural principals for the future of agriculture. Discussion was held with no action taken by the Task Force.

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, reported 26 of 129 TMDLs from 1998 list of non-point source related have been approved by EPA. DENR is are changing the format of the TMDLs report so everything will summarized in one document. The department has 31 TMDL on-going projects in the field and 5 more in the planning. The 2002 303(d) list is due April 1, 2002 to EPA with public review in January 2002. A methodology has to be developed by DENR and approved by EPA by then also. The new federal TMDL rules will be in effect October 1, 2002.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, reported the old touch-screen Kiosk Program is now on a CD. The CD is being field tested by math/science teachers and will be distributed to all schools later. Two items in process with SDSU are fecal coliform stream identification and a No Till Survey. Septic System video will be shown later this fall on Today's Ag.

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Pete Jahrus, Dept. of Agriculture, announced that the division is being reorganized into two divisions (Division of Fire Management and Division of Conservation and Forestry). On the national level, the National Fire Plan is being developed and different sources for money are available. Forest Stewardship Committee has completed a new draft of the Forest Stewardship. Brian Scott reported \$256,000 from Soil and Water Conservation Fund is to be awarded out at the June Conservation Commission meeting.

**NRCS UPDATE:** Mike Kuck reported Dean Fisher has been assigned to the National Oversight and Evaluation Team to work on a national conservation program. On May 20, Jay Cobb will be the new NRCS State Engineer. EQIP has been funded \$3.7 million with \$1.1 million going to statewide resource concerns and \$2.6 million going toward the priority areas. The PL-566 Program has received approximately \$368,000. Gary Coplan, NRCS, reported WRP has \$3.5 million in funding available statewide and the Emergency Watershed Floodplain program has \$2 million available for the James River Basin and \$2 million available statewide for a total funding package of \$7.5 million. There is a new Resource Conservation and Development Project in NW part of the state, which includes Corson, Dewey, Harding, Perkins, and Ziebach counties.

**OTHER BUSINESS:** Dave German, Water Resources, reported on a new study being conducted this summer on effect of water quality with current management practices of applying manure/fertilizer to fields.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be a field tour in the Brookings area with East Dakota Water Development sometime in July after the 4<sup>th</sup>.

Chairman Vallery adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 21, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES OF JUNE 22, 2000:** Motion by Chuck Ullery, SDSU Coop Extension, seconded by Jay Gilbertson, East Dakota Water Development District (EDWDD). Motion carried.

**INTRODUCTION OF DOUG LOFSTEDT:** Duane Murphey, SD Department of Environment and Natural Resources (DENR), introduced Doug Lofstedt, US Environmental Protection Agency (EPA), to the Task Force. Mr. Lofstedt gave a brief work background.

**319 GRANT APPLICATIONS:** Before application presentations, Duane Murphey, DENR, reviewed the 319 grant recommendation process.

Chuck Ullery made a motion to keep on the table for priority ranking all the assessment and implementation projects as listed except Alternative Water Management Practices, Lake Pelican Water Project District, and Upper Big Sioux River Watershed Project. Rick Vallery seconded. Motion passed with one dissention.

Jay Gilbertson made a motion to reduce Kingsbury County Lakes TMDLs budget by \$22,639.85 leaving the 319 request for \$27,839.69. Chuck Ullery seconded. Motion denied.

Duane Murphey reported approximately over \$3 million pass-through money will be available for FFY 2001 319 funding, 20% of available dollars is allowed for assessment projects.

The Task Force priority ranking and recommendations are as follows:

**TMDL ASSESSMENT PROJECTS**

**Belle Fourche River TMDL**

Total Cost: **\$377,904** 319 Request **\$226,742** Fee Fund Request: **\$75,581**

***Ranked 2 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by Belle Fourche River Partnership, this project will prepare TMDLs for the Belle Fourche River, Horse Creek, and two segments of Whitewood Creek.

**Fish Lake/Lake Alice Watershed TMDL**

Total Cost: **\$80,375** 319 Request **\$48,225** Fee Fund Request: **\$16,075**

***Ranked 7 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the Deuel County Conservation District, this project will prepare TMDLs for Fish Lake And Lake Alice in Deuel County.

#### **Lake Hanson Watershed TMDL**

Total Cost: **\$73,510** 319 Request **\$44,106** Fee Fund Request: **\$14,702**

***Ranked 6 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the Hanson County Conservation District, this project will prepare TMDLs for Lake Hanson in Hanson County.

#### **Kingsbury County Lakes TMDL Assessment Project**

Total Cost: **\$417,242** 319 Request **\$250,480** Fee Fund Request: **\$102,644**

***Ranked 4 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the Kingsbury Conservation District, this project will prepare TMDLs for Lakes Preston, Thompson, and Whitewood. The project will consist of water quality monitoring and analysis, and land use evaluation and modeling. Three TMDL final reports will be produced.

#### **School Lake/Bullhead Lake TMDLs**

Total Cost: **\$103,224** 319 Request **\$57,416** Fee Fund Request: **\$22,356**

***Ranked 8 - NPS Task Force Recommends Full Funding***

**Project Description:** The sponsor, East Dakota Water Development District, will prepare TMDLs for School Lake and Bullhead Lake, located in Deuel County. The project will consist of water quality monitoring and analysis, and land use evaluation and modeling. Two TMDL final reports will be produced.

### **IMPLEMENTATION PROJECTS**

#### **Alternative Water Management Practices**

Total Cost: **\$660,258** 319 Request: **\$395,837**

***Removed from ranking - NPS Task Force Recommends No Funding***

**Project Description:** The project sponsor is South Dakota State University on behalf of the SD Corn Growers Association. Activities proposed would test the use of grassed waterways and bare waterways with subsurface drains and wetlands to determine which is a more effective and economic alternative for reducing nonpoint source pollution from cropped fields.

#### **Animal Nutrient Management Team**

Total Cost: **\$1,413,350** 319 Request: **\$592,275**

***Ranked 5 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the South Dakota Association of Conservation Districts, this is a three-year continuation of this project, which began in 1990. This project provides priority design assistance to small producers on a voluntary basis in all of the conservation districts in eastern South Dakota. First priority goes to 319 funded TMDL implementation projects. Animal waste utilization plans are also developed for each animal waste system constructed with follow-up on existing systems to ensure waste is being used in a effective and efficient manner.

Providing this assistance is critical to keep moving ahead with design and construction of manure handling systems for small producers in watersheds where TMDLs are being implemented.

#### **Buffer Planning and Assistance Project**

Total Cost: **\$637,450** 319 Request: **\$241,550**

#### ***Ranked 1 - NPS Task Force Recommends Full Funding***

**Project Description:** Sponsored by the South Dakota Association of Conservation Districts, this project is a three-year continuation of an existing effort that funds two technicians to provide planning, design and planting of buffer practices to landowners in eastern South Dakota. Implementation of the planned buffers is achieved through landowner and United States Department of Agriculture funding. The goal of this project is to provide accelerated planning, design and implementation of various buffer practices such as grassed waterways, filter strips, and shelterbelts. Emphasis is placed on buffers that provide stream bank protection and improve water quality. Properly designed and maintained stream-side buffers can make significant reductions in the amount of sediment and nutrients that enter the stream through runoff, which are two of our most wide-spread water quality problems in the state.

#### **Enemy Swim Lake Watershed Improvement Project**

Total Cost: **\$440,487** 319 Request: **\$186,542**

#### ***Ranked 3 - NPS Task Force Recommends Full Funding***

**Project Description:** The project sponsor is the Day Conservation District. The district will implement the project concurrently with the Blue Dog Lake Project funded during 1999. Recommended funding will implement all of the practices identified as necessary to reverse a trend of declining in-lake water quality and prevent the lake from becoming an impaired waterbody. Management practices that will be installed during the project include: animal waste management systems, planned grazing systems, and grassed waterways and streamside buffer strips.

#### **Lake Pelican Water Project District**

Total Cost: **\$2,438,355** 319 Request: **\$1,074,971**

#### ***Removed from ranking - NPS Task Force Recommends No Funding***

**Project Description:** Sponsored by the Lake Pelican Water Project District, this two-year project is designed to continue reduction of nutrient and sediment loads entering Lake Pelican and expand a pollution prevention program for the entire Lake Pelican Water Project District area. Reduction of sediment and nutrient loads would be accomplished through construction of grass waterways, small detention dams/basins, restoration of wetlands, filter strips, streambank stabilization, and manure handling systems for animal feeding operations. Water quality will be improved by the dredging and opening of selected spring sites on Lake Pelican.

#### **Upper Big Sioux River Watershed Project**

Total Cost: **\$2,015,000** 319 Request: **\$1,078,000**

#### ***Removed from ranking - NPS Task Force Recommends No Funding***

**Project Description:** Sponsored by the City of Watertown, this two-year project is designed to continue reducing nutrient and sediment loads entering Lake Kampeska and the Pelican Lake sub-basin and continue a pollution prevention program for the entire project area. Reduction of nutrient loads from the watershed would be accomplished through installation of agricultural best

management practices and manure handling systems for livestock feeding operations. Sediment loads from the watershed would be reduced by riparian area repair, crop residue management, and installation of grassed waterways and small dams.

**CUSTOMER SURVEY:** Duane Murphey presented the Task Force final results of the customer survey sent to project sponsors.

**I&E STRATEGY APPROVAL:** Roberta Rasmussen, SDPC, made a motion to accept the revised I&E Strategy. Jay Gilbertson seconded. Motion carried.

**ELECTIONS:** Lowell Mesman, SD Farm Bureau, nominated Rick Vallery for Chairman. Angela Ehlers moved that the nominations cease and a unanimous ballot be cast. Jay Gilbertson seconded. Motion carried.

Rick Vallery, SD Wheat, nominated Roberta Rasmussen for Vice-Chair. Jay Gilbertson moved that nominations cease and a unanimous ballot be cast. Angela Ehlers seconded. Motion carried.

## **REPORTS:**

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Brian Scott, Dept. of Agriculture, reported Conservation Commission grants were awarded in June. The fall grant awards were cancelled but plan to award grants next spring. The James River Tree Removal Project ended in August. The division is working on a cost share program between state and private lands for the Mountain Pine Project. Ogalla Regreening Project will be planting trees September 26. The Flagpole and Jasper fires are considered FEMA fires which means the federal government will pay up to 70% of the state's cost.

**EPA UPDATE:** Doug Lofstedt, EPA, reported the Senate approved EPA's budget last week. EPA Headquarters are working on NPS success stories book. They are focusing mainly on in-stream restoration to show how 319 money has improved streams. The 319 Guidance has no change.

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, updated the Task Force on the new TMDL regulations. For more information on the final regulations, the website address is: <http://www.epa.gov/owow/tmdl/new.html>. She handed out the 303(d) Waterbody List NPS-related TMDL Development Schedule.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, handed out items that were part of the Managing Manure for Profit strategy at DakotaFest. The Touchscreen Watershed CDs will be ready for distribution in February. Several videos are being filmed for Today's AG program.

**NRCS UPDATE:** Gary Coplan, NRCS, reported the program is ending its fiscal year. The past year, 70% of the allocated budget was spent on 19 designated priority EQIP areas. Wetland Reserve Program funded 56 contracts and Emergency Watershed Floodplains Easement Program funded 75 contracts. A few counties were approved for funding by Emergency Conservation Measure, which is based on dry weather conditions for cost share of emergency water supply. Mike Kuck, Sheila Bayer, and Gary are now working on the program part of NRCS.

## **OTHER BUSINESS:**

Chairman Reich asked Angela Ehlers and Jay Gilbertson to present the Task Force recommendations to BWNR at the October meeting.

He announced the next round of 319 funding applications deadline is December 4, 2000, to the Department of Environment and Natural Resources.

Bruce Jacobsen, Dept. of Agriculture, reported the South Dakota Generic Pesticides and Ground Water State Management Plan has received concurrence from EPA Region VIII. It is now

available for distribution. If you would like a copy, call him at 605-773-4432 and Dept. of Agriculture will send one out to you.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held January 11, 2001, 10 a.m. at the American Legion Cabin, At the Foot of Pierre Street, Pierre, SD.

Chairman Reich adjourned the meeting.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
June 22, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/REMARKS:** Chairman Reich asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF APRIL 20, 2000:** Roberta Rasmussen, SD Pork Council (SDPC), made a motion to approve the minutes. Pat Kuck, DENR, seconded the motion. Motion carried.

**POTENTIAL 319 APPLICATIONS:** Duane Murphey, Dept. of Environment and Natural Resources (DENR), gave an update on 319-project applications and FY 2001 money available for funding. Final date for submitting applications to DENR is August 1, 2000. It is possible that there will be a second funding round later in the year. Jim Feeney, DENR, announced the Board of Water and Natural Resources would be looking at the 319-project applications October 12 and 13, 2000, meeting in Rapid City. Rural Development Telecommunications Network (RDT Network) sites will be set up for project sponsors to attend the meeting.

**CUSTOMER SURVEY:** Duane Murphey presented the Task Force the customer survey form to be sent to our project sponsors for their response.

**I&E STRATEGY APPROVAL:** Roberta Rasmussen, SDPC, presented the I&E Strategy sub-committee's proposed changes. A discussion was held. Dennis Clarke, DENR, will revise the report and bring it back to the next Task Force meeting. See attachment of revised I&E Strategy.

**NUTRIENT MANAGEMENT I&E:** Dennis Clarke and Colette Kessler, NRCS, presented a new publication on nutrient management being produced as part of the Managing Manure for Profit and The Environment Outreach Strategy. The publication will be available for use at the SD State Fair and DakotaFest. Copies of the publication will also be placed in extension and conservation district offices.

**MISSOURI RIVER UPDATE:** Duane Murphey updated the Task Force on the Missouri River sedimentation in South Dakota.

**MONTANA WATERSHED MEETING:** Jay Gilbertson, East Dakota Water Development District, gave a report on the Rocky Mountain Watershed Coordinators' Workshop. Seven South Dakota representatives attended the workshop.

**OTHER BUSINESS:**

Pat Kuck, DENR, announced that September 19-20, 2000, a Joint North and South Dakota Coordinators' Workshop will be held in Aberdeen, South Dakota.



Jay Gilbertson reported the following 104(b) grants have been approved (1) Producers Inventory and Assessment and Environmental Prioritization of Large CAFOs in South Dakota/Cattlefeeders Council for \$100,000; (2) Producers Performance Evaluation of Manure Management Systems/Lower James RC&D for \$18,000. Regional Geographic Initiative (RGI) grants approved are (1) \$15,000 Big Sioux Outreach Project; (2) SDRC received \$4,000 for a wetlands demo project and (3) the City of Sioux Falls received \$15,000 for a video on outreach projects.

## **REPORTS:**

303(d)/TMDL UPDATE: Joan Bortnem, DENR, updated the Task Force on the latest public notices sent out on TMDLs. The Task Force asked her to put together a summary of TMDL regulations (see attachment).

INFORMATION AND EDUCATION: Dennis Clarke reported the touchscreen program is being converted to CDs at SD School of Mines. Videos on precision farming and manure best management practices are being produced at SDSU. Segments of the videos will be shown on Today's AG. DakotaFest has received an EPA Environmental Excellence Award.

RESOURCE CONSERVATION AND FORESTRY UPDATE: Brian Scott, Dept. of Agriculture (DOA), reported the Wetlands grant has been extended. The James River Dead Tree Removal is near its June 30, 2000, completion. The Conservation Commission Grants have gone through review and award letters will go out next week. The Dept. of Ag is working toward a cost share program for management of the Mountain Pine Beetle on state and private lands. FEMA has given the DOA a grant for cleaning and thinning of fire trails in hills. The Living Snowfence funds can now be used on county roads. DOA is implementing a community urban forests inventory next fiscal year.

NRCS: Leroy Holtsclaw, NRCS, announced the new administrative changes that will take place following his retirement next week. Gary Coplan, Brookings NRCS, will assume the duties of Asst. State Conservationist for Programs. Mike Kuck, NRCS, will also be stationed in Brookings as of July 1, 2000. Rod Baumberger became the Grazinglands Conservation Coordinator for the Northern Plains June 4 with his office being located in Rapid City.

EQIP has 66 applications approved for funding. Priority Areas are finishing their local sign-ups for September 30<sup>th</sup> funding. July 7<sup>th</sup> is the deadline for Priority Areas for EQIP for fiscal year 2001. For more information see NRCS' website at <http://www.sd.nrcs.usda.gov>.

## **OTHER BUSINESS (CONTINUED):**

Duane Murphey announced Doug Lofstedt would be South Dakota's Nonpoint Source Coordinator at EPA. Three 319-projects delayed because of Endangered Species Act considerations (Clear Lake, Lake Faulkton, and Herman/Madison/Brant) are nearing EPA approval.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 21, 2000, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

Chairman Reich adjourned the meeting.

## **Nonpoint Source Task Force 303(d)/Total Maximum Daily Loads (TMDL) Update June 22, 2000 Summary**

### **Status - Proposed TMDL Regulations**

EPA has developed the final draft language for this controversial set of regulations and has forwarded it to the Office of Management and Budget. It is expected that the OMB review may take less than 60 days as EPA has worked with them during development of the regulations.

Major changes in the draft final regulations include:

- TMDLs to be developed within 10 years of initial listing. For SD, 2008, instead of 2013 must complete TMDLs on the 1998 list. A five-year extension may be granted if state demonstrates practicality. Demonstration test not yet defined.
- Addition of 3 elements required for approval:
  - Quantification of pollutant loads that: 1) may be present in waterbody, or 2) amount current pollutant load deviates from pollutant load needed to attain WQS. Includes all flows/seasons;
  - Identification of sources categories, subcategories or individual sources;
  - An implementation plan.
- Scheduling priorities must be given to drinking water supplies or endangered species issues.
- Listing methodology must be developed, noticed (60 day) and submitted to EPA by 5/1/01.
- Implementation plans required and must contain:
  - Description of management measures or controls to be applied by source categories, source subcategories, or individual sources;
  - Description of specific actions that provide reasonable assurance that load allocations will be implemented and achieve the load reduction. "Reasonable assurance" for NPS TMDLs demonstrated by a 4-part test that includes the dedicated funding of federal and state water quality resources to the greatest extent possible. EPA can direct 100% of 106 and 319 grant funds to TMDLs.
  - Schedule to implement measures or controls within 5 years;
  - Date certain for water quality standards attainment and basis for that determination;
  - Description of interim measurable milestones and process for stronger measures;
  - Monitoring plan to measure effectiveness of implementing and progress towards attainment;
  - Criteria to demonstrate substantial progress;
- Pollution sources expanded to include point sources, nonpoint sources, stormwater (not requiring a NPDES permit), ground water and atmospheric deposition. Some level of source identification required to document implementation and WQS attainment;
- If threatened waters are in list, a TMDL is required;
- TMDLs not removed from list until WQS attained;
- NPS BMPs re-defined into Best Available Technology (BAT) controls;
- Substantial progress in schedule must be consistently demonstrated;

Previous language addressing forestry has been set aside into separate regulations and is expected to be noticed Sept/Oct.

### **Status - TMDL Legislation**

Flurry of activity from all sectors trying to change or delay EPA regulations. Brief discussion on Sen. Wyden proposal to move requirement of implementation plans from 303(d) to 303(e).

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
April 20, 2000**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, S D Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Vice-Chairman Rasmussen asked those in attendance to introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF DECEMBER 9, 1999:** Jay Gilbertson, East Dakota Water Development District (EDWDD), made the motion to approve the minutes. Lowell Mesman, SD Farm Bureau, seconded the motion. Motion carried.

**APPROVAL OF REVISED NPS MANAGEMENT PLAN:** Duane Murphey, SD Dept. of Environment and Natural Resources (DENR) reported US EPA approved South Dakota's revised Management Plan on March 30, 2000. The Plan can be found on our website [www.state.sd.us/denr/watershed](http://www.state.sd.us/denr/watershed) or call Lois Docken at 605-773-4254 for a copy.

**319 PROJECT APPROVALS, ESA, 2001 APPLICATIONS:** Duane Murphey, DENR, reported EPA has approved the Project Implementation Plans on the following projects: South Central Lakes, Jones/Rosehill, Medicine Creek, Dakota Central, North Central Big Sioux, East Oakwood, White Lake, and Blue Dog. Endangered Species Act has heldup/slowed the approval of these projects: Clear Lake, Lake Faulkton, and Herman/Madison/Brant. Duane recommends that applications for the 2001 319 project funds be into DENR-Water Resources Assistance Program by July 1, 2000, for staff review. August 1, 2000, is the final due date to DENR.

**ROCKY MOUNTAIN ROUNDTABLE:** Jay Gilbertson, EDWDD, presented a brochure for Rocky Mountain Watershed Coordinators' Workshop Roundtable to be held in Montana May 15 – May 17, 2000.

**RIVERSIDE REPORT, PRONSOLINO, CBEP, FUNDING GUIDE, FINAL REPORTS, BMP TRACKING, AFO CONFERENCE:** Duane Murphey attended the national Nonpoint Source conference and gave reports on the above items.

**MISSOURI RIVER UPDATE:** Duane reported Senator Dashcle has introduced legislation, Missouri River Restoration Act of 2000, which establishes a 200 million dollar trust fund directed by South Dakota control.

**CUSTOMER SURVEY:** Duane drafted a customer survey for the NPS Task Force to comment on.

**REPORTS:**

**303(d)/TMDL UPDATE:** Joan Bortnem, DENR, reported on the proposed EPA TMDL regulations and volume of public comment received. One major issue in the proposed regulations is the requirement of an implementation plan in each TMDL. Current efforts in SD include five TMDLs going out on Public Notice May 5, 2000.

**I&E STRATEGY COMMITTEE:** Roberta Rasmussen presented the results of the I&E Strategy sub-committee. Further action was deferred till the next Task Force meeting.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, presented new I&E items that are available. He announced a Septic System Workshop is to be held in Rapid City, May 16 and 25. The Managing Manure for Profit and the Environment will be set up at the Dakota Fest in Mitchell,

SD, August 15-17. SD School of Mines is converting the Kiosk to a CD. Applications for I&E funding deadline are July 1, 2000 (See Dennis for more information).

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Ray Sowers, SD Dept. of Agriculture (DOA), gave an update on the Spencer Tree Planting Project. The DOA is starting another tree planting project in Ogalla since the tornado disaster from last summer. The James River Project has a majority of the tree removal completed with the exception of Brown County. The tree planting along the James River is expected to be completed in Mid-June. He displayed a map that showed the infestation of the Mountain Pine Beetle.

**NRCS:** Mike Kuck, Natural Resource Conservation Service (NRCS), announced CORE 4 Training has started in Rapid City for NRCS, district and extension personnel with more sessions being held later on. The statewide EQIP applications will be written next week. Applications for Priority Areas are now being accepted at NRCS' offices.

**OTHER BUSINESS:** Bob Gab, Conservation Commission, reported that project funding is June 8, 2000.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held June 22, 2000, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

Rob Gab made a motion to adjourn. Jay Gilbertson seconded the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
Pierre, South Dakota  
December 9, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, SD Association of Conservation Districts (SDACD), at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Chairman Reich asked those in attendance to introduce themselves and whom they represent. He announced there were extra copies of the Nonpoint Source Control Program Annual Report available.

**APPROVAL OF MINUTES OF OCTOBER 28, 1999:** Roberta Rasmussen, SD Pork Producers Council, made the motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconded the motion. Motion carried.

**PHOSPHOROUS PRESENTATION:** Bill Stewart, SD Dept. of Environment and Natural Resources (DENR), gave a powerpoint slide presentation on different forms of phosphorous. See enclosed slide report.

**ECOREGION PRESENTATION:** Bill Stewart, SD Dept. of Environment and Natural Resources (DENR), gave a powerpoint slide presentation on South Dakota's Ecoregions. See enclosed slide report.

**INFORMATION & EDUCATION COMMITTEE:** Jay Gilbertson, EDWDD, reported the new function of the Committee is to include information and education activities within funded projects. Duane Murphey, DENR, stated there are also other available sources for I&E funds such as EQIP, PPIS and Conservation Commission. Chairman Reich appointed Vice-Chair Roberta Rasmussen, Jay Gilbertson, and Mike Kuck to meet before the next meeting to draft a proposal of how the I&E Committee wants to direct their emphasis.

**MANAGED INTENSIVE GRAZING SYSTEMS:** Ron Ogren, SD Grassland Coalition, and John Deppe, Lower James RC& D, explained the goal of the Management Intensive Grassland Grazing Systems Project. The goal is to support South Dakota Grassland Managers in establishing and monitoring (6) on-ranch "management intensive grazing systems and to disseminate results to other rancher, researchers, grassland specialists and the public. For more information see their web site ([www.sdgrass.org](http://www.sdgrass.org)).

#### **REPORTS:**

**319 UPDATE:** Duane Murphey, DENR, reported that EPA (1) is sending back comments on the 319 PIPs; (2) has changed the distribution of funding at the national level giving South Dakota \$30,000 less of 319 funds; and (3) is looking at changes made to the Management Plan before approving it.

**NRCS:** Mike Kuck, NRCS, reported on the meeting "Discussion on sedimentation in the Missouri River Reservoirs" held in Washington, DC. A concept paper developed at the request of Senator Daschle will be available later from the SD State NRCS office in Huron.

**OTHER BUSINESS:** Mike Schmidt is no longer the secretary for the SD Cattlemen's Association; all correspondence should be sent to PO Box 314, Kennebec, SD 57544. Terry Plucker will be representing the South Dakota Association of Rural Water Systems at the NPS Task Force meetings.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held April 20, 1999, 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive, Pierre, SD.

### **Minutes of the NONPOINT SOURCE TASK FORCE MEETING Elks Lodge Pierre, South Dakota October 28, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, SD Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTIONS/REMARKS:** Vice-Chairman Rasmussen asked that everyone in attendance introduce themselves and whom they represent.

**APPROVAL OF MINUTES OF SEPTEMBER 30, 1999:** Mike Kuck, Natural Resource Conservation Service (NRCS), made a correction to the NRCS report to read "last day to obligate for 1999 funds for WHIP and EQIP". Jay Gilbertson, East Dakota Water Development District (EDWDD), made the motion to approve the minutes. Mike Kuck seconded the motion. Motion carried.

**NONPOINT SOURCE WATER POLLUTION CONTROL MANAGEMENT PROGRAM PLAN:** Jay Gilbertson, EDWDD, read comments the sub-committee wrote regarding the draft NPS Management Plan. The Task Force held a discussion on the comments. Angela Ehlers, SDACD, made a motion to approve the NPS Management Plan with the recommendations made by the sub-committee. Robert Gab seconded the motion. Motion carried. The revised NPS Management Plan will be sent out with an attached sheet noting the changes.

**I&E STRATEGY:** Dennis Clarke, DENR, stated the focus of the I&E Strategy priority issues are AFO/CAFOs and TMDLs. The projects listed on page 3 in the matrix are those in progress, on going, and in planning stages. The principal project partners are identified for each project. At the

next Task Force meeting, a new I&E committee will be appointed. Angela Ehlers, SDACD, made a motion that a work item be attached to the NPS Management Plan, that the Task Force will review the I&E Strategy, and will submit a final in six months. Mike Kuck seconded the motion. Motion carried.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held December 9, 1999, 10 a.m. at the American Legion Cabin, at the Foot of Pierre Street, Pierre, SD.

Angela Ehlers made a motion to adjourn the meeting. Mike Kuck seconded the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
September 30, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice-Chairman Roberta Rasmussen, SD Pork Producers Council, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/REMARKS:** Vice-Chairman Rasmussen asked that everyone in attendance introduce themselves and whom they represent. She then explained the process the Non-Point Source Task Force will review and rank the submitted 319 grant applications.

**APPROVAL OF MINUTES OF MAY 27, 1999:** Dave Hauschild, SD Water Congress, made the motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconds the motion.

**EPA PROGRAM STAFF:** Brent Truskowski and Debra Lebow, EPA Region VIII personnel, gave a short talk on their EPA offices.

**319 APPLICATIONS REVIEW AND RANKING:** The Task Force reviewed applications for FFY 2000 319 funds and ranked their recommendations for the Board of Water and Natural Resources. The Task Force nominated Angela Ehlers, SDACD, and Jay Gilbertson, EDWDD, to present the 319 funding requests to the Board of Water and Natural Resources on October 7.

**NONPOINT SOURCE TASK FORCE  
RANKING OF FY2000 319 APPLICATIONS  
(LOWEST NUMBER IS HIGHEST PRIORITY)**

TMDL / Assessments Projects	319 Requested	319 Recommended	Task Force Rank
Dakota Central Watershed	\$52,320	\$52,320	6
Jones Lake/Rosehill Lake Watershed	\$74,370	\$74,370	5
Medicine Creek Watershed	\$101,796	\$101,796	3
No-Central Big Sioux/E. Oakwood Lake	\$162,153	\$162,153	4
So. Central Lakes Watershed	\$113,663	\$113,663	2

White Lake	\$66,786	\$66,786	9
Implementation Projects			
Blue Dog Lake Watershed	\$380,387	\$375,000	1
Clear Lake Watershed	\$718,354	\$623,354	10
Lake Faulkton Watershed	\$718,710	\$673,710	8
Lake Herman/Madison/Brant Watershed	\$790,745	\$765,745	7
Precision Farming Demonstration	\$95,469	\$95,469	11
Whitewood Creek Demonstration	\$177,250	\$0	12

**APPROVAL OF REVISED NPS MANAGEMENT PLAN:** Duane Murphey, Department of Environment and Natural Resources (DENR), explained the Nonpoint Source Management Plan must meet nine key elements, be revised, and approved by the NPS Task Force and EPA before DENR can receive incremental money from EPA.

Dennis Clarke, DENR, explained the Information & Education (I&E) Strategy, an appendix to the Management Plan. Dave Hauschild made a motion to approve the I&E strategy. Chuck Ullery seconds the motion.

Chuck Ullery, SD Extension Services, made a motion a committee is set up that will come forward at the next Task Force meeting with recommendations on the NPS Management Plan in October. Martin Jarrett, SD Rural Water Systems, seconds the motion. The committee will be Dave Hauschild, Chuck Ullery, Rick Vallery, Jay Gilbertson, and Martin Jarrett. Send all written comments to Jay Gilbertson or Lois Docken before the October 28<sup>th</sup> Task Force meeting.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held October 28, 1999, 10 a.m. at the Elks Lodge located at 125 W. Pleasant Drive, Pierre, SD.

#### **REPORTS:**

**Resource conservation and forestry update:** Brian Scott, Dept. of Agriculture, reported October 1, 1999 is the deadline for Conservation Commission Grant applications to be in for the \$326,000 available funds.

**INFORMATION AND EDUCATION:** Dennis Clarke, DENR, reported the following projects are being finalized: a BMP video, workplans for site specific and phosphates grants, and Citizen Monitoring project.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, told the Task Force today was the last day to sign up for WHIP and EQIP. January 18, 2000 through February 11, 2000 will be the next sign-up for CRP.

#### **OTHER BUSINESS:**

Pat Kuck, DENR, gave an update on Firesteel Creek project. Duane Murphey, DENR, updated the Task Force on the Bad River Project.

Angela Ehlers, SDACD, made a motion to adjourn the meeting. Chuck Ullery seconds the motion.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Elks Lodge  
Pierre, South Dakota  
May 27, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF MINUTES OF MARCH 4, 1999:** Dave Hauschild, SD Water Congress, made a motion to approve the minutes. Jay Gilbertson, East Dakota Water Development District (EDWDD), seconds the motion.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich reported told he had written to the South Dakota Congressional delegation in Washington, DC regarding the Task Force's support for 319 and EQIP funding. He has received responses back from Tom Daschle and Pearle Reed, NRCS, thanking the Task Force for our support and assuring us that we have their support.

He then asked everyone to introduce themselves and write their e-mail address, if they have one, by their name on the mailing list being passed around. In the future, members that have e-mail will be receiving the NPS Task Force mailings by this mode of communication.

**TMDL UPDATE:** Joan Bortnem, SD Dept. of Environment and Natural Resources (DENR), reported that eleven TMDLs were submitted to EPA before the April 1, 1999 deadline. DENR is planning to have 46 TMDLs submitted to EPA by the year 2002.

**RIPARIAN DEMONSTRATION PROJECT:** Jack Majeres, Moody County Conservation District, gave a final report on the East River Riparian Demonstration Project.

**ANIMAL NUTRIENT TEAM PROJECT:** Angela Ehlers, SDACD, introduced Matt Morgan and Ron Adamson who have been hired as buffer salesmen for the Animal Nutrient Team Project.

The Animal Nutrient Team will be sponsoring a walk-through exhibit at DakotaFest on managing manure for profit to be held in Mitchell, August 17-19, 1999.

**NPS GROUND WATER MONITORING PROJECT:** Stan Pence, Geological Survey, gave an overhead presentation on the statewide ground water quality monitoring network.

**319 APPLICATION AND REVIEW REQUIREMENTS:** Duane Murphey, DENR, and Jay Gilbertson, EDWDD, presented a procedure for review and consideration of applications for 319 funds. After a short discussion, Chuck Ullery, SD Extension Service, made a motion to adopt the 319 Grant Application, Review and Recommendation Process with the change to Number 4. Application Presentation – Each project is allocated 5 minutes for a brief, explanatory presentation. Roberta Rasmussen, SD Pork Producers, second the motion. Motion was carried. See enclosed "319 Grant Process Sheet". Applicants are requested to provide DENR staff with draft applications by July 1, 1999 so they can work with them to improve final applications, which are due to DENR, by August 1, 1999. The Task Force will meet in Pierre, September 30, 1999 to consider applications for FY 2000 funds.

**REPORTS:**

**Information and Education:** Dennis Clarke, DENR, reported No-Till, Volunteer Monitoring, and Manure Management BMPs grants have been extended for one year. The department is



purchasing a new display board for use at conferences. Projects to be completed in the next few months are the Kiosk touchscreen to CD conversion and the printing of the CRM manual.

**Resource Conservation and Forestry Update:** Pete Jahraus, Dept. of Agriculture, reported the Coordinated Soil and Water Grants would be brought before the Conservation Commission on June 3, 1999. James River Tree Removal letters have been sent out to those that have been approved for funding. The updated Conservation Directory will be ready after June 1.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, reported that \$3.4 million has gone out to EQIP projects. September 1<sup>st</sup> all approved EQIP applicants must be in the FSA system or funds are pulled. Priority Area Proposals are due June 14 and will be reviewed by the State Technical Committee soon after that. He handed out the Ranking Sheet.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 30, 1999, 10 a. m. at the Elks Lodge located at 125 W. Pleasant Drive, Pierre, SD.

### **Non-Point Source Task Force**

#### **319 Grant Application, Review and Recommendation Process**

#### **Approved by the South Dakota Non-Point Source Task Force, May 27, 1999**

1. Application Deadline - Whatever the date chosen by the Task Force, it must be adhered to. Applications post-marked after this date should be returned.
2. Completeness Review - As soon as an application is submitted, DENR staff determine whether or not the application is complete. There is written guidance available that defines what constitutes a complete application. If there are minor deficiencies or omissions, DENR can request that the applicant provide the needed information in a timely manner. However, applications that are missing major elements should be rejected.
3. Distribution of Applications to Task Force - Following the Completeness Review, applications are to be distributed to the Task Force representatives within two weeks.
4. Project/Application Review by the Task Force - Prior to making any decisions on the requests, the Task Force shall review the projects.
  - A. Applicant Presentation - Each project is allocated 5 minutes for a brief, explanatory presentation. Questions from Task Force representatives are limited to specific facts or procedures. All projects are presented at this time.
  - B. Short, follow-up question and answer session for each project - This is the opportunity for Task Force members to ask more conceptual or philosophical questions, or to follow-up on questions from the earlier session.
5. Task Force Decisions - Three decisions will be made, in the following order, for each project.
  - A. Should the project be considered for support? The Task Force must first decide whether or not each project should be eligible for any level of support.
  - B. Are the projects acceptable as submitted, or should changes be made? The Task Force should determine if the project should be considered as presented, or if changes to the project are needed/desired.
  - C. Priority Ranking. Each Task Force representative ranks the projects as approved in Steps A and B. DENR staff collate the results, and the Task Force recommendation to the BWNR is determined.

6. Task Force Recommendations to the BWNR - The decisions of the Task Force should be presented to the Board of Water and Natural Resources by the Chairman, or a designated representative. DENR staff should not make this presentation.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
March 4, 1999**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Duane Murphey, DENR Nonpoint Source Coordinator, at 10 a.m. See attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Duane Murphey welcomed everyone to the meeting and asked them to introduce themselves. He told the attendees that Roberta Rasmussen, vice chairperson for NPS Task Force, was unable to attend due to illness.

**APPROVAL OF MINUTES OF DECEMBER 10, 1998:** Jay Gilbertson, East Dakota Water Development District, had a correction to Mike Schmidt's motion requesting someone from Board of Water and Natural Resources or an individual from DENR provide details to the comment in a letter from Secretary Myers dated October 16, 1998. The minutes should show that Roberta Rasmussen, seconded the motion. Pat Kuck, DENR, made a motion to approve the corrected minutes. Steve Waters, South Dakota Corn Growers Association, second the motion.

**PROGRAM REORGANIZATION:** Duane Murphey introduced Jim Feeney, Natural Resource Administrator for the new DENR Water Resources Assistance Program. Mr. Feeney gave an overhead presentation of the new program which the combined programs of Watershed Protection and Water and Waste Funding.

**LEGISLATIVE UPDATE:** Jim Feeney, DENR and Angela Ehlers, South Dakota Associated Conservation District (SDACD), gave an update on the various legislative bills that would affect the program.

**TMDL UPDATE:** Joan Bortnem, DENR, gave an update on TMDL reporting to EPA. Five TMDL projects can be found on department's web site ([www.state.sd.us/denr](http://www.state.sd.us/denr)) by clicking on watershed protection icon then the TMDL icon.

**ASSESSMENT/TMDL PROJECTS:** Dave Templeton, DENR, gave an overhead presentation on the funding of assessment/TMDL projects. The legislature has approved a \$3 million cap to pass through for nonpoint source activities. To exceed this cap and accommodate additional federal funds, legislative approval would be necessary. A maximum of twenty percent of 319 grants to the state can be used for program development including assessments and TMDLs. Although we are now getting more 319 funds, the 303(d) impaired waterbody list and subsequent TMDLs have greatly accelerated the program needs. Dave Templeton used the following overheads to explain how many funds will be available per project request as an average based on the TMDL schedule for the next twelve years. Considerable discussion followed about the amount of funds available, targeting funds to BMPs, and project watershed size versus project phasing.

**ASSESSMENT/TMDL PROJECTS  
Funding**

\$3.0 million cap on pass-through nonpoint source funds (46A-1-95)  
FFY 1999 Section 319, 604 (b), Pollution Prevention total - \$3,366,000

20 Percent cap for Assessment/TMDLs - \$650,000  
Need average of 10 TMDLs/year to accomplish 1998 303(d) listing (Note: August 1 deadline to apply)  
\$650,000 federal – average cost/TMDL = \$108,000  
\$150,000 Omnibus Bill appropriation – uses  
\$2,300,000/year for ALL other activities  
Example – If we have 8 assessments/year that pursue implementation  
-Average 319 grant - \$287,000 Federal (\$480,000 total) per implementation project  
Fall 1999 – 5 applications for implementation are expected  
-\$460,000 Federal (\$770,000 total)

#### **Current DENR Activities:**

Meeting with potential local sponsors to line up assessments/TMDLs for August 1999 application deadline (need 10).

In-house group review of each assessment/TMDL prior to public notice and submittal to EPA.

Work with local sponsor to develop a realistic, non-phased, fundable workplan

Goal is to receive EPA approval of our assessment/TMDL before awarding implementation funds.

Post-implementation monitoring to verify results.

**FIRESTEEL CREEK:** Gene Stueven, DENR, gave an overhead presentation on Firesteel Creek. The presentation showed how to do an assessment / TMDL and then move to implementation of a project.

**LAKES MADISON & BRANT:** Alan Wittmuss, DENR, gave an overhead presentation on Lakes Madison and Brant.

#### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reported there is possible funding available through a Water and Watershed Research grant with the goal to develop and improve understanding of the natural and anthropogenic processes that govern the quantity, quality, and availability of water resources in natural and human-dominated systems. Due date is May 28, 1999. Funding is also available from River Network's Watershed Assistance Grants (WAG). It supports innovative efforts that build the capacity of community-based partnerships to conserve or restore watersheds. Due date is June 15, 1999. For more information, call Dennis Clarke, at 605-773-4254.

Phosphorus in Manure and Precision Farming Technology Transfer P2 grant applications have been sent to EPA. No-Till Project is using RDTN as a learning tool. SDSU's Today Ag program will be showing short videos on manure, manure handling, land application, water quality improvement, and odor control. Spearfish Source Water Protection video was shown to the Task Force.

**Riparian Management Strategy:** Pat Kuck reported East River Riparian Project closed on February 28, 1999. The project involved 17 counties in eastern South Dakota, which included 18 demonstration sites, cross fencing, livestock exclusion, livestock crossing, dugouts and stock dams, pasture pumps, and grass seeding since March 1993. Ron Ogren, Grassland Coalition, will be the contact for tours through the demonstration sites.

**Resource Conservation and Forestry Update:** Pete Jahraus, Department of Agriculture, reported Coordinated Soil & Water Grant deadline is April 1<sup>st</sup>. The Conservation Commission is currently in the process of revising the grant review procedures. He passed maps of the

Governor's James River Tree Removal and Planting sites. The division is in the process of revising the Statewide Strategic plan.

**NRCS:** Mike Kuck, Natural Resource Conservation Service, passed handouts of Fact Sheet on Technical Services for Animal Feeding Operations. He asked that the Task Force to read and send comments to the State NRCS office in Huron by March 22. He also gave an overhead presentation on Environmental Quality Incentives Program funding. EQIP will have a continuous sign-up this year with two ranking periods. A discussion was held on technical assistance through NRCS. Mike Schmidt, SD Cattlemen's Association, made a motion to support increasing NRCS budget by \$300 million. Lowell Mesman, second. All approved.

**OTHER BUSINESS:** Duane Murphey reminded everyone that draft applications for 319 grants should be in DENR by July 1. This would allow for DENR review and comment to the sponsor before formal application. The final deadline for the 319 application to DENR is August 1.

Grasslands Coalition requested to become a voting member of the Nonpoint Task Force. Angela Ehlers, SDACD, made a motion to move to accept Grasslands Coalition as a voting member. Mike Schmidt, SD Cattlemen's Association, second. All approved.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held May 27, 1999, 10 a.m. at the Elks Lodge located 125 W. Pleasant Drive, Pierre, SD.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
December 10, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**APPROVAL OF AGENDA & MINUTES OF SEPTEMBER 17, 1998:** Roberta Rasmussen, South Dakota Pork Producers Council, made a motion to approve the minutes and agenda as sent. Jay Gilbertson, East Dakota Water Development District, second. Motion carried.

**TMDL UPDATE:** Tim Bjork, South Dakota Dept. of Environment and Natural Resources (DENR), reported twenty two TMDLs are scheduled to be completed by April 2000. The TMDLs ranking as Priority #1 on the 303(d) impaired water list are the ones to be completed first. Also, new 319 funds must be focused on EPA's Unified Watershed Assessment priorities.

**319 PROGRAM UPDATE/CLEAN WATER ACTION PLAN:** Duane Murphey, DENR, reported EPA has published strategy documents for portions of the Clean Water Action Plan including animal waste, unified water assessment, beach, conservation, containmenation, and fish safety. They can be accessed through the EPA website.

He reported on his presentation of funding through South Dakota's State Revolving Fund in November at EPA's Regional Conference.

With a doubling of 319 funds nationally, there are 200 million dollars allocated to the states through the Clean Water Action Fund. The amount targeted for South Dakota is \$3,266,400 this year.

**319 GRANTS:** Duane Murphey, DENR, reported the Board of Water and Natural Resources (BWNR) approved the following 319 funding to be submitted to EPA as such: Grand River

Watershed Assessment/TMDL Development - \$33,076; Lakes Cochrane and Oliver Assessment/TMDL Development - \$43,404; Moccasin Creek Assessment - \$66,420; BMP Demonstration for Control of Stormwater Runoff to Rapid Creek - \$56,965; and Lower Rapid Creek TMDL Development - \$45,855. Lake Mitchell Watershed/Firesteel Creek Amendment and Bad River Phase III Amendment to be deferred until the next BWNR meeting.

Tim Bjork, DENR, stated that EPA would have more 319 funds available after January 16, 1999. DENR will recommend Big Sioux River, Bear Butte, and 2 or 3 other implementations (Lake Poinsett, Lake Faulkton, and Clear Lake) for funding. EPA must receive applications for the additional 319 funds by January 16, 1999. Therefore, the regular application and review process must be shortened this time. DENR will send a list of approved projects to the Nonpoint Source Task Force when available.

A discussion regarding the non-approval of 319 funding for the research proposal "Best Management Practices for Land Application of Manure to Reduce Phosphorus Loading of Surface Water Resources". Mike Schmidt, SD Cattleman's Association, made a motion requesting that some one from the Board of Water and Natural Resources or an individual from the Department of Environment & Natural Resources (DENR) provide details to the comment in the letter from Secretary Myers to Mike Schmidt dated October 16, 1998, referring to the rejection of the request for 319 funding to research the "Best Management Practices for Land Application of Manure to Reduce Phosphorus Loading of Surface Water Resources". The letter states in part that "a great deal of research had already been done on the subject". Chairman Reich asked for a vote on the motion. Motion carried.

**ANIMAL FEEDING OPERATION STRATEGY:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported that the Unified National Strategy for Animal Feeding Operations draft has to have comments sent to Washington, DC, by January 19, 1999. It will outline guiding principles for AFOs and CAFOs and will have significant impacts on producers and the environment. For more information, you can look up on the Internet at this address – [www.nhq.nres.usda.gov/epa](http://www.nhq.nres.usda.gov/epa).

#### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reported the Kiosk CD project is still being implemented. A Grassland Conference will be held in July, more information will be available later. The Department is updating Project SAVE to make it available through DENR's Internet homepage. SD Public TV is producing an environmental video about confined feeding. DENR will be sending them out to all libraries, conservation districts, and other interested parties after January 1999.

**Riparian Management Strategy:** Pat Kuck, DENR/NRCS, reported to the Task Force there are two job openings through the SDACD for Riparian Buffer Technicians. Their main duties would be to give on-site technical assistance regarding riparian areas. The East Riparian project is coming to a close.

**Resource Conservation and Forestry Update:** Pete Jahraus, Department of Agriculture (DOA), gave an update on the Resource Conservation and Forestry Program. On December 14, 1998, a Community Forest Plan will be drawn up for planting trees in Spencer, South Dakota; since most of the trees were destroyed by a tornado that went through the town in May, 1998.

**NRCS:** Mike Kuck, NRCS, told the Task Force their budget is back from Washington, DC, and it has been cut. Digital Ortho Quads have been ordered for the whole state.

#### **OTHER BUSINESS:**

Angela Ehlers, SDACD, will be a presenter for the Animal Waste Team at EPA's Conference in Denver, CO, later this month.

Chuck Ullery, South Dakota State University Cooperative Extension Service, explained the Environmental Training for Livestock Producers classes. This is a requirement for producers to receive a livestock permit from DENR.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held March 4, 1999, 10 a.m. at the Pierre American Legion Cabin.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
American Legion Cabin  
520 S. Pierre St.  
Pierre, South Dakota  
September 17, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves. He stated project proposal would be allowed ten minutes to give their presentation and five minutes to answer questions from the audience.

**APPROVAL OF AGENDA & MINUTES OF JULY 23, 1998:** Roberta Rasmussen, South Dakota Pork Producers Council, made a motion to approve the minutes and agenda as sent. Rick Vallery, South Dakota Wheat, Inc., second. Motion passed.

**RANKING OF 319 APPLICATIONS:  
Summary of each proposal:**

**Pelican Lake Watershed Project: \$355,000**

This is a three-year project sponsored by the Pelican Lake Water Project District. The project includes dredging 100,000 cubic yards of silt from Lake Pelican and implementation of dams, wetland protection, buffer strips, and stream bank protection in the watershed.

**Management Zone Based Precision Farming: \$315,000**

This is a three-year project sponsored by the Northern Brown Soil Conservation District. The goal is to demonstrate the effectiveness of management zone based precision farming on 40 farms.

**Whitewood Creek Demonstration Project: \$177,050**

The Lawrence County Conservation District sponsors this two-year project. It will demonstrate bank stabilization at four sites, establish a program to demonstrate healthy urban and rural riparian areas, develop a watershed plan, and develop an information and education program for the entire Whitewood Creek area.

**Site Specific Farming Demonstration Trials: \$86,236**

This three-year project will provide precision farming training and education opportunities for the general agricultural community. Hands on workshops will be conducted and on farm studies will be conducted to field test BMPs. The project sponsor is the SDSU Plant Science Department.

**Lower Rapid Creek TMDL Development: \$45,855**

This request is to fund a two-year project to conduct an assessment and develop a Total Maximum Daily Load (TMDL) for Rapid Creek from Rapid City to the Cheyenne River confluence. The project is a joint effort between the School of Mines and Technology, City of Rapid City, and the Proctor and Gamble Corporation.

**BMP Demonstration for Control of Stormwater Runoff to Rapid Creek: \$56,965**

The South Dakota School of Mines and Technology sponsor this project in conjunction with the City of Rapid City. The goal is to reduce pollutant loading to the biologically sensitive reaches of Rapid Creek in West Rapid City. The strategy that will be developed in the Wonderland drainage basin will then be implemented in other areas of Rapid City impacted by urban growth.

**Grand River Watershed Assessment / TMDL Development: \$33,076**

This two-year project is intended to locate and document nonpoint sources of water pollution in the watershed, develop a TMDL, and produce feasible restoration alternatives in a two-year period. The primary goal is the reduction of sediment loading to Shadehill Reservoir.

**Moccasin Creek Assessment: \$66,420**

The City of Aberdeen sponsors this project. It is intended to locate and document nonpoint sources of water pollution in the watershed and produce feasible restoration alternatives in a two-year period. The pollutant of most concern is sediment.

**Lakes Cochrane and Oliver Assessment / TMDL Development: \$43,404**

This is a one-year watershed assessment project sponsored by the Deuel Conservation District to locate and document nonpoint sources of water pollution in the watershed, develop a TMDL, and produce feasible restoration alternatives. The project will assess the effect, if any, Lake Oliver is having on Lake Cochrane.

**Lake Mitchell Watershed / Firesteel Creek Amendment: \$342,000**

This is a continuation of the watershed project sponsored by the Davison Conservation District, which was initiated last year. The goal is to reduce phosphorus loading to Lake Mitchell, which is the drinking water supply for the city of Mitchell. The project is ahead of schedule and landowner responses have exceeded available funds. The request funds the project for three years.

**Bad River Phase III Amendment: \$350,000**

This is a three-year continuation of the water quality project in the Lower Bad River. Better than planned landowner response has resulted in all available funds being spent or obligated.

**BMPs for Manure Phosphorus Loading: \$534,018**

The South Dakota Association of Conservation Districts sponsors project. It is a demonstration, evaluation, education, and monitoring program to raise awareness of best management practices for land application of manure to reduce phosphorus loading to waters. The request is for the first three years of the five-year program.

**REPORTS:****Information and Education:**

Dennis Clarke, South Dakota Department of Environment and Natural Resources (DENR), reported the Citizen Monitoring Guide is available again. Also, he reminded everyone that Peaks to Prairie Watershed Conference starts September 27, 1998, in Rapid City.

**OTHER BUSINESS:**

Roberta Rasmussen, Swan Lake Restoration, thanked everyone that helped to complete and make the Swan Lake project a success.

Martin Jerrid, South Dakota Rural Water Association (SDRWA), came before the Task Force requesting the association become a voting member. Dave Hauschild, South Dakota Water Congress, made a motion that South Dakota Rural Water Association becomes a member of the Nonpoint Source Task Force. Chuck Ullery, SDSU Extension Service, second. Denny Davis is the director for South Dakota Rural Water Association.

**RANKING OF 319 APPLICATIONS CONTINUED:**

Questions brought before the Task Force and discussed were: 1) Local match; 2) Sponsors; 3) Meeting 319 requirements; 4) Providing labor, equipment; and training; 5) Long-term plans and

maintenance; 6) TMDLs/Water Quality; 7) Consolidated and Conservation Commission Grants; 8) List where non-federal cash is coming from; 9) Identified projects/assessments earlier at the local level; 10) Water development districts; 11) Rules/deadlines for 319 applications

Duane Murphey, DENR, explained the department's recommendations for the \$1,253,790 of 319 funds available to South Dakota at this time. More money might be available later, if so there will be another round of funding. Projects approved by EPA will not receive their 319 funds until next spring. The department's recommendations on the 319 Proposals were as follows:

BMPs for Manure Phosphorus Loading - \$400,000 for three years  
Bad River Phase III Amendment - \$260,000 at this time  
Lake Mitchell Watershed/Firesteel Creek Amendment - \$260,834 at this time  
Lakes Cochrane and Oliver Assessment/TMDL Development - \$43,404  
Moccasin Creek Assessment - \$66,420  
Grand River Watershed Assessment/TMDL Development - \$33,076  
BMP Demonstration for Control of Stormwater Runoff to Rapid Creek - \$56,965  
Lower Rapid Creek TMDL Development - \$45,855  
Site Specific Farming Demonstration Trails - \$86,236  
Whitewood Creek Demonstration Project – recommend no funding  
Management Zone Based Precision Farming – recommend no funding  
Pelican Lake Watershed Project – recommend no funding

Mike Schmidt, SD Cattlemen's Association, made a motion that the Task Force members vote as they have in the past. Pat Kuck, DENR, seconded. There was one objection. Chairman Reich read the list of core voting members and asked those in attendance pick-up a priority-ranking sheet. The project receiving the lowest points would get the highest priority. The Task Force ranked the projects as follows:

1. Lake Mitchell Watershed/Firesteel Creek Amendment – 48 points
2. BMPs for Manure Phosphorus Loading – 56 points
3. Grand River Watershed Assessment/TMDL Development – 77 points
4. Lakes Cochrane and Oliver Assessment/TMDL Development – 85 points
5. Bad River Phase III Amendment – 106 points
6. Moccasin Creek Assessment – 107 points
7. Site Specific Farming Demonstration Trials – 113 points
8. BMP Demonstration for Control of Stormwater Runoff to Rapid Creek – 135 points
9. Lower Rapid Creek TMDL Development – 139 points
10. Whitewood Creek Demonstration Project – 148 points
11. Pelican Lake Watershed Project – 194 points
12. Management Zone Based Precision Farming – 203 points

**OTHER BUSINESS CONTINUED:**

**UNIFIED WATERSHED ASSESSMENT:** Tim Bjork, DENR, handed out a draft of the Unified Watershed Assessment required under the Clean Water Action Plan for assessment of funds.



The assessment is to rank the 8 digit hydrologic unit code watersheds within South Dakota prioritizing them according to their water quality and land use conditions. EPA wants a draft by the 1<sup>st</sup> of October. The draft shows the highest priority watersheds that are giving problems to the state of South Dakota. The draft is based on the 303(d)/Impaired Waterbodies List that was sent to EPA August 1<sup>st</sup>. For more information from Watershed Protection Program see our Internet Address: [www.state.sd.us/denr/watershed](http://www.state.sd.us/denr/watershed). Mike Schmidt, South Dakota Cattleman's Association, made a motion that the draft be advanced as necessary. Dave Hauschild second. Motion passed.

**MISSOURI RIVER PAPERS:** Duane Murphey, DENR, reported a Missouri River Conference will be held March 21-24, 1999, at Ramkota Convention Center, Pierre, SD. For more information see Duane.

**NATIONAL ANIMAL FEEDING OPERATIONS STRATEGY:** Duane Murphey, DENR, reported National Animal Feeding Operations Strategy has been released and comments need to be made by January 19, 1999. It can be read on the EPA and NRCS web pages. The National Resource Conservation Service offices (NRCS) downlink will carry it September 18, 1998, 11:30 am CDT.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held December 10, 1998, 10 a.m. at the Pierre Legion Cabin.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
July 23, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10:00 a.m. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE MAY 21, 1998:** Hearing no objections, Chairman Reich approved the agenda and minutes as sent.

**AGNPS COMPUTER MODELING:** Mark McIntire, South Dakota Department of Environment and Natural Resources (DENR), gave an overhead presentation on Agricultural Nonpoint Source Pollution (AGNPS). He reported AGNPS divides a watershed into cells. It can predict the amount of runoff, peak rate of runoff, and amount of erosion from each cell and calculates how much sediment will be delivered on down the watershed. The benefits of using AGNPS are that it shows where the problems lie and which cells contribute more pollutants in the watershed. DENR is currently using this for watershed assessments. AGNPS is a time consuming process taking six months to evaluate a one watershed. Although AGNPS is a good model for cropped watersheds, DENR is looking for a more efficient computer modeling program and one that works for range areas.

**UNIFIED WATERSHED ASSESSMENT:** Bill Stewart, DENR, reported that under the Clean Water Action Plan natural resource agencies have been directed to develop a Unified Watershed Assessment Report. Bill handed out a draft assessment report stating that a number of information sources were used to prioritize the 54 eight digit hydrologic units within the State of South Dakota into these 4 categories: Category I - Watersheds in need of restoration; Category II - Watersheds meeting goals; Category III - Watersheds in pristine or sensitive aquatic systems; Category IV - Watersheds with insufficient data to make an assessment. Since the final report is

due to EPA October 1, he asked that the NPS Task Force members send him comments before the Task Force's September meeting.

**PHOSPHORUS STUDY PROPOSAL:** Charlie Boe, South Dakota Independent Crop Consultant Association, presented the Task Force a handout on best management practices for land application of manure to reduce phosphorus loading to surface water resources. He stated that commercial fertilizer would be included in the phosphorus study also.

**TMDL UPDATE:** Joan Bortnem, DENR, reported South Dakota received an approval letter from EPA on the 303(d) list July 15, 1998. A lawsuit against EPA has been filed over South Dakota's 303(d) list, which will affect how we will get TMDLs done. Final copies of the 303(d) list will be sent to everyone that has provided written or oral comments. The list will also be available on the South Dakota Department of Environment and Natural Resources Internet homepage at [www.state.sd.us/denr](http://www.state.sd.us/denr). Tim Bjork reported to the Task Force that Joan and the other homepage developers received an EPA Environmental Achievement Award for the department's website. Joan asked if the Task Force would like their own homepage explaining the groups and its purpose. Chuck Ullery made a motion that Joan develops a homepage for the NPS Task Force. All voted in favor. The Task Force also agreed to the use of pictures on the homepage.

#### **REPORTS:**

**Information & Education:** Dennis Clarke, DENR, reviewed how to register by Internet through the DENR's homepage for the Peaks to Prairie Watershed Conference to be held September 27-30 in Rapid City, SD.

He reported the Bootstraps Program has received requests for information from within the State of South Dakota, EPA, and Inside Washington. The Bootstraps video will be shown at the NACD Leadership Conference in Rapid City, August 19-20, 1998. The confined animal feeding operation (CAFO) video will air on Ag Today this fall.

Earth Treasures is in its second printing and has been very popular at the Interstate Rest Areas. DENR had a booth with water quality brochures set-up at the Izaak National Convention in Pierre this month. DENR is still working on converting the kiosk program to a CD-ROM. The Citizen's Monitoring grant/contract to Lakes and Stream Association has just been approved; the long-term plan is that it will compliment TMDL work. DENR is working with Precision Farming on two proposals that will tie into water quality and animal waste issues.

**RANGE/GRASSLAND RESEARCH:** Chuck Ullery, SDSU Extension, introduced Dr. Bob Kohl and Dr. Pat Johnson from South Dakota State University. Dr. Bob Kohl, a soil scientist, gave a slide presentation on understanding the hydrology, erosion, and affect management practices have on erosion and sediment delivery from range/grasslands. Dr. Pat Johnson, SDSU Range and Animal Science, gave a slide presentation on managing vegetation on range/grasslands.

#### **REPORTS CONTINUED:**

**East River Riparian:** Pat Kuck, DENR, reported the East River Riparian has three projects in the application phase, but by September all of the plan practices will be applied. The main purpose of this project was to make East River more aware of the value and knowledge of riparian areas. He handed out a brochure that explains what a riparian area is, the functions are, and watershed management practices. They will be mailed out to all the conservation districts and middle school science teachers in South Dakota in August.

**Resource Conservation and Forestry Update:** Brian Scott, Department of Agriculture (DOA), presented the Task Force a program summary for the Division of Resource Conservation and Forestry. He reported there would be a large amount of dollars for the fall Conservation Commission Grants funding, since only four were approved in the spring funding. The grant application is being revised and will be sent to the conservation districts within the next few weeks. The deadline is October 1, 1998 for the fall funding. The next Conservation Commission Meeting is August 13, 1998 in Pierre.

**319 PROPOSALS DUE AUGUST 1:** Duane Murphey, DENR, reported that the 319 grant applications are due to DENR on or before August 1, 1998. The 319 guidance is on the DENR Internet site. The Board of Water and Natural Resources will take up the applications on September 23, 1998, so the applications will be mailed out no later than August 26 for the Task Force review.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held September 17, 1998, 10 a.m. Look at the top of the agenda to see next meeting's location as the Elks have sold the building where we have been meeting.

**OTHER BUSINESS:** Mike Schmidt, SD Cattlemen's Association, reported Daschle's office has submitted a bill revamping a pilot project on CRP lands. The bill will allow haying or grazing on CRP lands under a managed system. Angela Ehlers, SDACD, stated that there is also an amendment attached to the Ag Appropriation Bill for planned grazing 1 out of every 4 years.

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
May 21, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Chairman Tim Reich, South Dakota Association of Conservation Districts (SDACD), at 10:00 a.m. He requested those in attendance sign in. See the attached "Sign-in-sheet" for a list of those in attendance.

**INTRODUCTION/OPENING REMARKS:** Chairman Reich welcomed everyone to the meeting and asked them to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE MARCH 19, 1998 MEETING:** Mr. Reich announced that Joel Tisch, Animal Waste Aeration Systems, could not attend the meeting, otherwise the agenda remained as is. He asked for a motion to approve the minutes of the March meeting. Roberta Rasmussen, South Dakota Pork Producers Council, moved to approve the minutes as is. Duane Murphey, South Dakota Department of Environment and Natural Resources (DENR), second.

**REPORTS:**

**WHIP:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported the evaluation ranking of the WHIP applications are completed and sent on to the state office. After June 17, the funding results will sent out.

**EQIP:** He handed out maps showing the 13 priority areas that were funded for 1998. Four new priority areas are Pine Ridge Indian Reservation, south drainage of Medicine Creek (Lyman County), Lower Big Sioux Aquifer (Minnehaha and Moody Counties), and the Belle Fourche River. The priority areas were funded at approximately 70-75 percent which allowed additional areas to be added. Statewide rankings will be evaluated by July 10.

The packets for the 1999 EQIP proposals have been sent out. NRCS is asking existing priority areas to update their proposals plus new ones can be sent in.

**Farm Bill Update:** Conservation Farm Options (CFO) is a new program that has \$15 million dollars set aside with the ranking of applications done in Washington, DC. NRCS has not received any written guidances/rules from the national office for the CFO program. Mike Kuck

stated some requirements of this program are minimum of 10 years contract, must have a production flexibility contract through FSA, and must be in production of feed grain crops.

**Ag Waste Team:** The old Ag Waste Team is finishing up the last 319 contract. Thirty one systems have been constructed out of the 54 systems designed. AGNPS modeling has been used to show the results of phosphorus reduction from the completed ag-waste systems.

The new Ag Waste Team, contracted under South Dakota Association Conservation Districts, have done a survey of the east river NRCS designed animal waste systems that are installed, participated in SDSU's manure management training for the pork producers, ranked design systems to be worked on, and have completed seven animal waste system designs.

**Animal Waste I&E Proposal:** EPA wants NRCS to inform small animal producers on new animal waste rules and changes that have come out lately. A request for funding has been put in to EPA.

**Buffer Strips:** NRCS has a nationwide buffer strip initiative, dedicated land strips along water bodies, that would help control pollution going into waterways. EPA has \$43,000 of 319 money leftover that other states couldn't use and DENR could reprogram \$50,000 to fund several technicians. One technician would work with operators in southeastern South Dakota along the Vermillion and Lower Big Sioux with another person being located in the northern part of the state. Some funding could come through WHIP and EQIP programs.

**Animal Waste Phosphorous Study:** Ron Gelderman, SDSU, headed a sub-committee on what issues should be included in the research study. The following issues will be researched through the study: 1) basic runoff sites, 2) extent of problems, 3) educational needs, 4) use of GIS, and 5) alternate methods of handling the problem. The most of the research will be done at producers sites and one at a research/experiment station.

**TMDL Update:** Duane Murphey, DENR, reported that Joan Bortnem is writing a workplan how DENR is going to accomplish the TMDLs workload required by the 303 (d) list that has been sent to Denver.

**Information and Education:** Dennis Clarke, DENR, reported that a proposal to make CDs from the kiosk program, the inter-active touch screen module, is in progress. By the end of the summer, DENR should be able to mail the CDs to every school in the state.

Peaks to Prairie Watershed Conference participants need to pre-register for workshops to be held September 27 - 30 in Rapid City, South Dakota. Continuing Education Credits (CEUs) can be received for certified crop advisor and certified professionals in erosion & sediment control by attending some of the workshops and conference. For more information, call or write Dennis Clarke at Watershed Protection Program, DENR, in Pierre.

An 8-10 minute bootstrap video is being produced which will be aired on Ag Today later this fall. It is a follow-up of the original video of the successes and failures resulting from decisions the participants made. Also, a confined animal feeding video will be coming out later this fall.

I & E strategy is to continue the program but no funding for Water Festivals, Envirothon, and limited printing of pamphlets/brochures. The program will focus more on adult activities that "wrap into watershed projects".

**East River Riparian:** Pat Kuck, DENR, reported the East River Riparian Project is wrapping up several projects before it closes out. The riparian photo guide is nearing finalization for printing.

**Resource Conservation and Forestry Update:** Pete Jahraus, Dept. of Agriculture, reminded everyone that Bob Drown's Australian Exchange will be shown over RDTN June 4, 3-5 p.m. (CDT). He handed out a report on the Urban Community Forestry and Stewardship Grants. The State Conservation Commission is revising the State Coordinated Soil and Water Conservation

Plan. Last week, the Commission awarded their grants. The letters will be coming out from the Governor's Office. October 1st is the deadline for the fall round of Commission grants.

**ARIZONA STAFF EXCHANGE:** Duane Murphey, DENR, reported on working in Arizona with it Nonpoint Source staff. Arizona uses a management zone approach rather than a watershed, since only 17 percent of the land is privately owned. Their biggest problems are population growth and recreation. They work mainly with environmental groups for support not other agencies as we do.

**AGRICULTURE COMMISSIONS' MEETINGS:** Rick Vallery, South Dakota Wheat, Inc., reported that two new commissions have been established in South Dakota. The Cheeseman Foundation is a forum that will publish a list of problems facing South Dakota agriculture. The Commission for Agriculture in the 21st Century will look at the problems the Cheeseman Foundation listed. Also, the Legislative Research Council is conducting a summer study on SD agriculture.

**BACKYARD CONSERVATION KITS:** Rick Vallery and Collette Kessler, NRCS, showed backyard kits that target the urban areas. The kit contains 10 handouts on such ideas as tree planting, wild life habitat, a game, a poster, and a list of outdoor activities that can be ordered from the National Association Conservation District.

**319 PROPOSALS DUE AUGUST 1:** Duane Murphey, DENR, reminded everyone that August 1st is the deadline to turn in 319 proposals to his office.

**OTHER BUSINESS:** Duane Murphey, DENR, reported that his office will be giving a slide prevention on TMDLs at the South Dakota Association Conservation Districts meetings across the state.

Western Area RC&D Association meeting will be in Spearfish, SD, January 10-13, 1999, at the new Holiday Inn.

National Leadership Conference will be in Rapid City, SD, August 19-23, 1998.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held July 23, 1998, 10 a.m. at Pierre Elks Lodge, 125 W. Pleasant Drive

**Minutes of the  
NONPOINT SOURCE TASK FORCE MEETING  
Pierre Elks Lodge  
125 West Pleasant Drive  
Pierre, South Dakota  
March 19, 1998**

**CALL TO ORDER:** The Nonpoint Source Task Force meeting was called to order by Vice Chairman Roberta Rasmussen, South Dakota Pork Producers Council, at 10:00 a.m. She requested those in attendance sign in.

**INTRODUCTION/OPENING REMARKS:** Roberta Rasmussen welcomed everyone to the meeting. She introduced herself and asked everyone in attendance to introduce themselves.

**APPROVAL OF AGENDA & MINUTES OF THE DECEMBER 11, 1997 MEETING:** Mrs. Rasmussen asked for any corrections or additions to the minutes. There being none, Robert Gab, South Dakota Conservation Commission, moved to approve the minutes as is. Chuck Ullery, South Dakota State University Extension, second. Motion carried.

Mrs. Rasmussen announced the following changes to the agenda. Mike Kuck will report on the Ag-Waste Team, the Cattlemen's Association will present a proposal for a phosphorus project, and SD Pork Producers will talk about farm odor.

## **REPORTS:**

**Farm Bill Update:** Mike Kuck, Natural Resource Conservation Service (NRCS), reported on the 1998 CRP sign-up that ended last fall. South Dakota had 617,000 acres offered with about 155,000 acres that were accepted into the program. The reason for the drop in acreage from last year was due to the changes in the environmental ranking.

**WHIP:** Mike reported that there is a continuous sign-up for this program. In May, there will be an evaluation ranking of the applications for the \$765,000 that is available in financial assistance.

**EQIP:** He reported that 13 priority areas have been funded with over \$2 million going to them, \$1 million going to statewide concerns, and \$450,000 earmarked for Indian operators.

**WRP:** This program is based on restoration of wetlands that have been altered in some way. The funding is based on need.

**Ag Waste:** Mr. Kuck gave a overhead presentation of the Ag-Waste Management Team. The total number of systems designed using the new process to date is 137. The new 1998 funded proposal will expand the coverage area to include all of the East River counties and the staff will be increased to three engineers, an agronomist, and a soil scientist located in offices at Brookings and Mitchell, South Dakota.

**SOURCE WATER & WELLHEAD PROTECTION:** Tricia Sebes, DENR, presented slides on Source Water Assessment and Protection Program. The Source Water Assessment and Protection Program (SWAP) is a result of the 1996 Safe Drinking Water Act. This Act requires all states to develop and complete a Source Water Assessment Program, and allows states to set aside up to 10% of FY97 Drinking Water State Revolving Funds.

South Dakota must develop a document which will describe how the public will be involved in the development of the SWAP, how the assessments will be conducted, how the results of the assessments will be made available to the public, and how the SWAP will be implemented.

A Technical Advisory Committee and Citizens Advisory Committee has been developed to advise the DENR in the development of the SWAP.

A complete Source Water Assessment included three steps: a delineation of an area contributing water to a public water supply system, an inventory of significant sources of pollution, and a determination of the susceptibility of the public water supply system to each pollution source.

The results of the assessments will be made available to the public through paper and electronic format.

Management of a Source Water Assessment area may include zoning ordinances, permit restrictions, early detection monitoring wells, best management practices, and land acquisition or easements.

The DENR will be holding public meetings throughout the state to gather input on the program.

A SWAP document must be submitted to EPA by February 1999. Once the program is approved, the assessments must be completed within 2 years with the possibility of an 18-month extension.

**EFFECTS OF PHOSPHORUS:** Calvin Sandmeier, South Dakota Cattlemen's Association, presented a proposal to research the effects of phosphorus build-up in agricultural soils from repeated applications of manure. Research testing at several locations by South Dakota State

University would determine at which level phosphorus would become a limiting factor for crop or forage growth, unacceptable in runoff into watersheds, and associated with other problems that have not been determined by significant research data. The research project would be accomplished under a steering committee of several "partners". A meeting to address this issue further will be in Huron at the Natural Resource Conservation Service Office on March 25, 1998. Chuck Ullery, SDSU Extension, also reminded everyone in attendance about the up-coming training sessions on manure management.

**FARM ODOR:** Roberta Rasmussen, South Dakota Pork Producers Council, reported that the National Pork Producers wants each pork producer to do an environmental assessment on odor at their operation. The South Dakota Pork Producers Council are selecting six pork operations as training sites to teach producers to be more odor friendly to their neighbors.

**TMDL UPDATE:** Joan Bortnem, DENR, updated the Task Force on the 1998 303(d) list and gave a presentation on Total Maximum Daily Loads. The Task Force was informed that all partners may have to review their procedures for setting priorities because of the increased number of waterbodies listed in the 1998 list. The final list is due to EPA on April 1 and EPA will have 30 days to approve or disapprove.

**INFORMATION AND EDUCATION:** Duane Murphey, DENR, reported that ENVIROTHON maybe funded by a grant from the Gateway Company. He reminded everyone in attendance about the upcoming watershed conference, Peaks to Prairie, September 27-30, 1998, at Rapid City, South Dakota. The I&E Steering Committee is currently revising the I&E Program strategy. DENR's Internet web site has added more information on resources, money, and technology available in the department.

**EAST RIVER RIPARIAN:** Pat Kuck, DENR, reported that Brenda Johnson is the new coordinator for the East River Riparian Project. The demonstration facet of the project is in the process of wrapping up unless they do some I&E training. Economic evaluations are being completed on four projects for cost return. The riparian photo guide has several more cuts before being finalized.

**RESOURCE CONSERVATION AND FORESTRY UPDATE:** Ray Sowers, South Dakota Department of Agriculture (DOA), informed the Task Force of new assignments in the department. The assignments are: Ray Sowers, State Forester/Division Director; Dan McCormick, Urban Forestry Specialist; Brian Scott, Conservation District Specialist; Pete Jahraus, Eastern Area Supervisor; Coe Foss, Western Area Supervisor. The Conservation Commission is revising the Coordinated Soil and Water Plan for South Dakota with input from the conservation districts.

**GENERIC PESTICIDES AND GROUND WATER STATE MANAGEMENT PLAN:** Bruce Jacobson, DOA, updated the Task Force on the Generic Pesticide and Ground Water State Management Plan they are sending to EPA.

**PICKING UP THE PACE:** Duane Murphey, DENR, gave an overview on the Clean Water Action Plan. The US Congress is proposing to double the amount of money to carry the plan out. We need to accomplish: 1) More tribal participation, 2) Regulatory integration, 3) Build partnerships, and 4) Phosphorus standards.

**UPPER BAD RIVER BASIN STUDY:** Dave Konechne, NRCS, stated the study was started in 1994 because a million tons of sediment was still moving down the Bad River after the project was completed on the Lower Bad River. In the Upper Bad River study, they wanted to identify where it was coming from and a solution to slow the sediment down. The results showed sediment was coming mainly from the Lower Bad River. Later this year, the state Natural Resource Conservation Service will set in place management plans.

**GIS:** Bill Stewart, DENR, informed the Task Force that all of Digital Orthophoto Quads (DOQs) have been completed in South Dakota. NRCS, FSA, and USGS has offered to pay for 75% of the cost of a base map at with high resolution and same scale to all of the states, but South Dakota needs to act fast in order to receive some of this money. The map can be used for most kinds of planning.

Angela Ehlers, SDACD, made a motion that the Task Force encourages the state of South Dakota to actively support the GIS offer of cost sharing it with the NRCS, FSA, and USGS. All in favor raised their hands. Only one attendee was against the motion. Duane Murphey is to pass this motion on to the department heads.

**LEGISLATION:** Tim Bjork, DENR, reported Senate Bill 32 has been passed and approved by the Governor for \$87,500, this is funding for the Bad River Project. Also signed were: Senate Bill 30 it dealt with regulation of waste tire haulers; Senate Bill 31 gave DENR authority to adopt rules for drinking water; Senate Bill 240 is a \$750,000 clean-up fund made-up of fees and fines penalties established for feedlot systems; Senate Bill 239 provides joint and tort liability by the negligent entrustment of livestock to another. Angela Ehlers, SDACD, stated that House Bill 1329 was passed and signed by the Governor. It appropriates \$1.275 million to coordinated soil and water conservation grants fund.

#### **PROJECT REPORTS:**

**RAVINE LAKE WATERSHED PROJECT:** B. J. McNeil, Beadle Conservation District, updated the progress of Ravine lake. No one was really interested in improving the lake after the unsuccessful dewatering attempt in 1996. In 1997, the Ravine Lake Advisory Board put in a 100 foot beach and brought in paddle boats for rent. As a result, they have gotten support to apply for grant assistance to be used for dredging. The major accomplishment last year was the design and construction of a three-pond retention system for dredging. The goals for this year are to stabilize shoreline, dredge sediment, complete a fecal coliform analysis on the lake, and install BMPs to control fecal coliform bacteria.

**LAKE BYRON PROJECT:** Judy Tschetter, Beadle Conservation District, reported that the Lake Byron Project is nearing completion. She has been contacting people to complete work around the lake.

**SCHEDULE NEXT MEETING:** The next scheduled meeting will be held May 21, 1998, at 10 a.m. at the Pierre Elks Lodge, 125 W. Pleasant Drive.